

TOWN OF WARRENTON

October 27, 2015

POST OFFICE DRAWER 341

www.warrentonva.gov TELEPHONE (540) 347-1101

FAX (540) 349-2414

WARRENTON, VIRGINIA 20188-0341

NORTHERN

NOV 0 2 2015

REGIONAL OFFICE

Douglas Frasier
VPDES Permit Writer, Senior II
Commonwealth of Virginia
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

Re:

VPDES Permit No VA0021172

Town of Warrenton Wastewater Treatment Plant

Fauquier County

Dear Mr. Frasier:

Per your conversation with Allen Chichester, Wastewater Plant Superintendent, the VPDES Sewage Sludge Permit Application has been corrected. I have signed the new application and enclosed it for your review. Please include it with the previous submittal forms dated October 22, 2015.

Should you have any questions, please feel free to contact me.

Sincerely,

Edward B. Tucker, Jr.

Director of Public Works and Utilities

/jm

Enclosures

cc. Allen G. Chichester

VPDES Sewage Sludge Permit Application for Permit Reissuance Instructions WHO MUST SUBMIT THE APPLICATION - All facilities with a current VPDES Permit that authorizes the discharge of treated sewage wastewater that are applying for reissuance must complete and submit this application. Part 1 is general information to be provided by all facilities. Part 2 must be completed by all facilities that generate Class A or Class B biosolids that are land applied. Part 3 must be completed by all facilities that land apply Class B biosolids. Part 1 - Sludge Disposal Management (To be completed by all facilities) VPDES Permit No: VA0021172 Facility Name: Town of Warrenton Shipment Off Site for Treatment or Blending Is sewage sludge from your facility sent to another facility that provides treatment or blending? Yes V No If you send sewage sludge to more than one facility, attach additional sheets as necessary. Shipment off site is: The primary method of sludge disposal A back up method of sludge disposal a. Receiving Facility Name b. Receiving Facility VPDES Permit No. c. Include an acceptance letter from the Receiving Facility. d. Receiving Facility's ultimate disposal method for sewage sludge Disposal in a Municipal Solid Waste Landfill Is sewage sludge from your facility placed in a municipal solid waste landfill? ☐ Yes No If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary. Landfilling is: The primary method of sludge disposal A back up method of sludge disposal a. Landfill Name b. Landfill Permit No. c. Include an acceptance letter from the landfill. Is sewage sludge from your facility fired in a sewage sludge incinerator? ☐ Yes **7** No Incineration is: The primary method of sludge disposal A back up method of sludge disposal a. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? ☐ Yes **7** No If yes, provide the Air Registration No. If no, complete items b - d for each incinerator that you do not own or operate. b. Facility Name c. Air Registration No. d. Include an acceptance letter from the Incinerator. Class A Biosolids Do you produce Class A biosolids for land application or distribution and marketing? If yes, complete Part 2. ☐ Yes **7** No Are Class A biosolids from your facility land applied in bulk? **✓** No ☐ Yes Do you sell or give away Class A biosolids in a bag or other container for application to the land? If yes, provide the Yes No VDACS certification number? 5. Class B Biosolids Do you produce Class B biosolids? If yes, complete Part 2. **▼** Yes $\bigcap No$ Are Class B biosolids from your facility land applied land applied under the authorization of this VPDES Permit? If yes, ☐ Yes **V** No complete Part 3. Land Application Under a Separate Permit Are biosolids from your facility land applied under the authorization of a permit other than your VPDES Permit? Biosolids are land applied under the authorization of a VPA permit Another VPDES Permit Out of State Complete items a - c for each VPA permit authorized to land apply biosolids from your facility. a. Permittee Name b. Permit No. Synagro Central, LLC VPA00062 c. Include copy of any information you provide to the Receiving VPDES or VPA Permittee to comply with the "notice and necessary information" requirement of 9VAC25-31-530 F.

	AMPLE CO. CO. 1. D. C. A. 11 C. D.									
	VPDES Sewage Sludge Permit Application for Permit Reissuance		·							
Pε	art 2 – Biosolids Characterization (To be completed by all facilities that generate biosolids that are land app	lied.)								
1.	Have there been changes to sludge treatment processes or storage facilities since the previous permit issuance/reissuance?	☐ Yes	✓ No							
2.	Do the biosolids generated under this permit that will be land applied meet one of the Class A pathogen requirements in 9VAC25-31-710 A 3 through A 8 or Class B pathogen requirements in 9VAC25-31-710 B 1 through B 4?	✓ Yes	☐ No							
	Identify the pathogen reduction option utilized to demonstrate compliance with the pathogen reductions requirements and prothat demonstrate compliance with the applicable alternative.	vide the da	ta							
3.	Do the biosolids generated under this permit that will be land applied meet one of the vector attraction reduction requirements in 9VAC25-31-720 B 1 through B 10?	✓ Yes								
	Identify the vector attraction reduction option utilized to demonstrate compliance with the vector attraction reductions requirement provide the data that demonstrate compliance with the applicable alternative.									
4.	Do the biosolids to be land applied meet the ceiling/pollutant concentrations in 9VAC25-31-540 B?	✓ Yes	□ No							
_	Has data from the most recent 3 samples for pH (S.U.), Percent Solids (%), Ammonium Nitrogen (mg/kg), Nitrate Nitrogen (mg/kg), Total Kjeldahl Nitrogen (mg/kg), Total Phosphorus (mg/kg), Total Potassium (mg/kg), Alkalinity as CaCO ₃ (mg/kg), Arsenic (mg/kg), Cadmium (mg/kg), Copper (mg/kg), Lead (mg/kg), Mercury (mg/kg), Nickel (mg/kg), Selenium (mg/kg), Zinc (mg/kg) been submitted to DEQ? The samples shall be no more than 4½ years old and each sampling date shall be at least 1 month apart.	✓ Yes	□ No							
	If no, provide the data with this application.		_							
Pa	art 3 - Land Application of Class B Biosolids (To be completed by all facilities that land apply Class B biosol	lids.)								
1.	Provide to DEQ and to each locality in which biosolids are to be land applied, written evidence of financial responsibility. Ev responsibility shall be provided in accordance with 9VAC25-31-100 P 9.	ridence of f	inancial							
2.	For each site, provide a properly completed landowner agreement for each landowner, using the most current Land Application Biosolids Form (VPDES Sewage Sludge Permit Application Form – Attachment to Section C).	n Agreeme	ent -							
3.	Are any new land application fields proposed at this reissuance?	☐ Yes	☐ No							
	If yes, contact the DEQ Regional Office for additional submittal requirements.									
4.	For the currently permitted land application fields, are the previously submitted site booklets, maps and acreage accurate.	☐ Yes	☐ No							
	If no, contact the DEQ Regional Office for additional submittal requirements.									
5.	Does the facility's Biosolids Management Plan on file with DEQ include the following minimum information?	☐ Yes	☐ No							
	a. An odor control plan that addresses the abatement of odors resulting from the storage and/or land application of biosol	ids.								
	b. A description of the transport vehicles to be used.									
	c. Procedures for biosolids offloading at the land application site including spill prevention, cleanup (including vehicle cl reclamation, and emergency notification and cleanup measures.	eaning), fie	eld							
	 A description of the land application equipment including procedures for calibrating equipment to ensure uniform distrappropriate loading rates. 	ribution and	i							
	e. Procedures used to ensure that land application activities address notification requirements, signage requirements, slop operation limitations during periods of inclement weather, soil pH requirements, buffer zone requirements, and site res	e restriction	ns,							
	f. Any other information necessary to ensure compliance with the requirements of the Biosolids Program of the VPDES (9VAC25-31-420 through 720).		ulation							
Ce	ertification									
I condess	ertify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordan signed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the property of manage the system or those persons directly responsible for gathering the information, the information is, to the best of my kief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the dimprisonment for knowing violations.	erson or per mowledge a	rsons and							
	Name and Official Title Edward B. Tucker, Jr., Director of Public Works and Utilities									
	Signature ////////////////////////////////////									
	Telephone number / Email (540) 347-1858 / etucker@warrentonva.gov									
	Date signed 10/27/15									
(Ba	used on a review of this information, it may be necessary to submit additional information to meet other legal or technical review requirements.)								
-		,								

	VPDES Sewage Sludge Permit Application for Permit Reissuance		
Ins	structions		
tha Par Par	HO MUST SUBMIT THE APPLICATION - All facilities with a current VPDES Permit that authorizes the discharge of treate are applying for reissuance must complete and submit this application. 1 is general information to be provided by all facilities. 2 must be completed by all facilities that generate Class A or Class B biosolids that are land applied. 3 must be completed by all facilities that land apply Class B biosolids.	ed sewage v	astewater/
Pa	rt 1 – Sludge Disposal Management (To be completed by all facilities)		
Fa	cility Name: Town of Warrenton VPDES Permit No: VA0021172		
1.	Shipment Off Site for Treatment or Blending	<u>-</u> <u>-</u> .	
	Is sewage sludge from your facility sent to another facility that provides treatment or blending?	☐ Yes	✓ No
	If you send sewage sludge to more than one facility, attach additional sheets as necessary.		
	Shipment off site is: The primary method of sludge disposal A back up method of sludge disposal		
	a. Receiving Facility Name		
	b. Receiving Facility VPDES Permit No.		
	c. Include an acceptance letter from the Receiving Facility.		
	d. Receiving Facility's ultimate disposal method for sewage sludge		
2.	Disposal in a Municipal Solid Waste Landfill		
	Is sewage sludge from your facility placed in a municipal solid waste landfill?	☐ Yes	✓ No
	If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.		
	Landfilling is: The primary method of sludge disposal A back up method of sludge disposal		
	a. Landfill Name		
	b. Landfill Permit No.		
	c. Include an acceptance letter from the landfill.		
3.	Incineration		
	Is sewage sludge from your facility fired in a sewage sludge incinerator?	☐ Yes	✓ No
	Incineration is: The primary method of sludge disposal A back up method of sludge disposal		
	a. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?	☐ Yes	☑ No
	If yes, provide the Air Registration No.		
	If no, complete items b - d for each incinerator that you do not own or operate.		
	b. Facility Name		
	c. Air Registration No.		
	d. Include an acceptance letter from the Incinerator.		
4.	Class A Biosolids	□ v	□ 7 1.5.7
	Do you produce Class A biosolids for land application or distribution and marketing? If yes, complete Part 2. Are Class A biosolids from your facility land applied in bulk?	☐ Yes ☐ Yes	☑ No ☑ No
	Do you sell or give away Class A biosolids in a bag or other container for application to the land? If yes, provide the	☐ Yes	₩ No
	VDACS certification number?		
5.	Class B Biosolids		
•	Do you produce Class B biosolids? If yes, complete Part 2.	✓ Yes	□ No
	Are Class B biosolids from your facility land applied land applied under the authorization of this VPDES Permit? If yes,	✓ Yes	$\square No$
	complete Part 3.	45	
6.	Land Application Under a Separate Permit		
	Are biosolids from your facility land applied under the authorization of a permit other than your VPDES Permit?	☐ Yes	✓ No
	Biosolids are land applied under the authorization of a VPA permit Another VPDES Permit Out of State		
	Complete items a - c for each VPA permit authorized to land apply biosolids from your facility.		
	a. Permittee Name b. Permit No.		

	VPDES Sewage Sludge Permit Application for Permit Reissuance								
Pa	art 2 – Biosolids Characterization (To be completed by all facilities that generate biosolids that are land app	lied.)							
1.	Have there been changes to sludge treatment processes or storage facilities since the previous permit issuance/reissuance?	☐ Yes	☑ No						
2.	Do the biosolids generated under this permit that will be land applied meet one of the Class A pathogen requirements in 9VAC25-31-710 A 3 through A 8 or Class B pathogen requirements in 9VAC25-31-710 B 1 through B 4?	✓ Yes	□ No						
Identify the pathogen reduction option utilized to demonstrate compliance with the pathogen reductions requirements and provide the data that demonstrate compliance with the applicable alternative.									
3.	Do the biosolids generated under this permit that will be land applied meet one of the vector attraction reduction requirements in 9VAC25-31-720 B 1 through B 10?	 Yes	□ No						
Identify the vector attraction reduction option utilized to demonstrate compliance with the vector attraction reductions requirements and provide the data that demonstrate compliance with the applicable alternative.									
4.	Do the biosolids to be land applied meet the ceiling/pollutant concentrations in 9VAC25-31-540 B?	✓ Yes	☐ No						
5.	Has data from the most recent 3 samples for pH (S.U.), Percent Solids (%), Ammonium Nitrogen (mg/kg), Nitrate Nitrogen (mg/kg), Total Kjeldahl Nitrogen (mg/kg), Total Phosphorus (mg/kg), Total Potassium (mg/kg), Alkalinity as CaCO ₃ (mg/kg), Arsenic (mg/kg), Cadmium (mg/kg), Copper (mg/kg), Lead (mg/kg), Mercury (mg/kg), Nickel (mg/kg), Selenium (mg/kg), Zinc (mg/kg) been submitted to DEQ? The samples shall be no more than 4½ years old and each sampling date shall be at least 1 month apart.								
	If no, provide the data with this application.								
Pa	art 3 - Land Application of Class B Biosolids (To be completed by all facilities that land apply Class B bioso	lids.)							
1.	Provide to DEQ and to each locality in which biosolids are to be land applied, written evidence of financial responsibility. Expression responsibility shall be provided in accordance with 9VAC25-31-100 P 9. (See Attachment 1 to Part 3)	idence of fi	inancial						
2.	For each site, provide a properly completed landowner agreement for each landowner, using the most current Land Application Biosolids Form (VPDES Sewage Sludge Permit Application Form – Attachment to Section C).	n Agreeme	nt -						
3.	Are any new land application fields proposed at this reissuance?	☐ Yes	☑ No						
	If yes, contact the DEQ Regional Office for additional submittal requirements.								
4.	For the currently permitted land application fields, are the previously submitted site booklets, maps and acreage accurate.	☐ Yes	✓ No						
	If no, contact the DEQ Regional Office for additional submittal requirements.								
5.	Does the facility's Biosolids Management Plan on file with DEQ include the following minimum information?	☐ Yes	✓ No						
	a. An odor control plan that addresses the abatement of odors resulting from the storage and/or land application of bioso	lids.							
	b. A description of the transport vehicles to be used.								
	 Procedures for biosolids offloading at the land application site including spill prevention, cleanup (including vehicle c reclamation, and emergency notification and cleanup measures. 	leaning), fie	eld						
	 A description of the land application equipment including procedures for calibrating equipment to ensure uniform dist appropriate loading rates. 	ribution and	d						
	e. Procedures used to ensure that land application activities address notification requirements, signage requirements, slop operation limitations during periods of inclement weather, soil pH requirements, buffer zone requirements, and site results and site results are requirements.		ns,						
	f. Any other information necessary to ensure compliance with the requirements of the Biosolids Program of the VPDES (9VAC25-31-420 through 720).	Permit Reg	ulation						
C	ertification								
de wh be	certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance signed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the part of manage the system or those persons directly responsible for gathering the information, the information is, to the best of my latef, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the dimprisonment for knowing violations.	erson or pe knowledge a	rsons and						
	Name and Official Title Edward B. Tucker, Jr., Director of Public Works and Utilities								
	Signature								
	Telephone number / Email (540) 347-1858 / etucker@warrentonva.gov								
	Date signed 10-22-15								
(Ва	ased on a review of this information, it may be necessary to submit additional information to meet other legal or technical review requirements	.)							

Rev 7/18/2012



TOWN OF WARRENTON

POST OFFICE DRAWER 341 WARRENTON, VIRGINIA 20188-0341

www.warrentonva.gov TELEPHONE (540):347-1101 FAX (540):349-2414 TDD 1-800-828-1120

October 22, 2015

Douglas Frasier
VPDES Permit Writer, Senior II
Commonwealth of Virginia
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

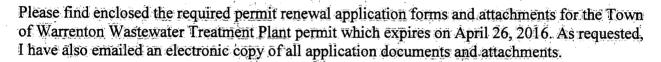
Re:

VPDES Permit No. VA0021172

Town of Warrenton Wastewater Treatment Plant

Fauquier County

Dear Mr. Frasier:



Should you have any questions or need clarification, please feel free to contact me at 540-347-1858 or by email at etucker@warrentonva.gov or you may contact Allen G. Chichester, Wastewater Superintendent, at 540-347-1104 or by email at achichester@warrentonva.gov.

Sincerely,

Edward B. Tucker, Jr.

Director of Public Works and Utilities

/jm

Enclosures

cc: Allen G. Chichester

PUBLIC NOTICE BILLING INFORMATION

I hereby authorize the Virginia Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9VAC25-31-290.C.2.

Agent/Department to be billed:	Edward B. Tucker, Jr.
Owner:	Town of Warrenton
Applicant's Address:	P.O. Drawer 341
	Warrenton, VA 20188
Agent's Telephone Number:	540-347-1858
Authorizing Agent:	Signature

VPDES Permit No. VA0021172 Town of Warrenton Wastewater Treatment Plant

Please return to:

Douglas Frasier VA-DEQ, NRO 13901 Crown Court Woodbridge, VA 22193-1453 Fax: 703-583-3821 Town of Warrenton - VA0021172

Form Approved 1/14/99 OMB Number 2040-0086

FORM

2A NPDES

NPDES FORM 2A APPLICATION OVERVIEW

APPLICATION OVERVIEW

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants. All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd. All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification. All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data. A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data. A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes. A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. Combined Sewer Systems. A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

Form Approved 1/14/99 OMB Number 2040-0086

Town of Warrenton - VA0021172

ВА	SIC APPLICA	TION INFO	RMATION			
			ORMATION FOR ALL			
			tions A.1 through A.8 of (this Basic Application	Information page	ket.
A.1.	Facility Information).				
	Facility name	Town of Warr	enton Wastewater Treat	tment Plant		
	Mailing Address	P.O. Drawer 3	341. Warrenton, VA 201	88		
	Contact person	Allen Chiches	ter			
	Title	Wastewater S	uperintendent			
	Telephone number	(540) 347-110)4		·	·
	Facility Address (not P.O. Box)	731 Frost Ave				
A.2.	Applicant Informati	ion. If the applica	ant is different from the abo	ove, provide the following	ng:	
	Applicant name	Town of Ware	nton			
	Mailing Address	P.O. Drawer	341, Warrenton, VA 201	88	_	
	Contact person	Edward B. Tu	cker, Jr.			
	Title	Director of Pu	blic Works and Utilities			
	Telephone number	<u>(540) 347-185</u>	58			
	Is the applicant the	owner or opera	tor (or both) of the treatn operator	nent works?		
	Indicate whether cor	respondence reg	arding this permit should b applicant	e directed to the facility	or the applicant.	
A.3.	Existing Environme works (include state	ental Permits. P issued permits).	rovide the permit number o	of any existing environn	nental permits tha	t have been issued to the treatment
	NPDES VA0021	172		PSD	N/A	
	UIC <u>N/A</u>			Other	<u>VAN020028 T</u>	otal Nitrogen & Phosphorus
	RCRA N/A			Other	VAR040124 M	IS4 General Permit
A.4.	Collection System each entity and, if knetc.)	Information. Pro nown, provide info	ovide information on munic ormation on the type of colle	ipalities and areas servection system (combine	red by the facility. ed vs. separate) a	Provide the name and population of and its ownership (municipal, private,
	Name		Population Served	Type of Collect	ion System	Ownership
	Town of Warrento	n	9907	<u>Separate</u>		Municipality
	Fauquier County		1925	Separate		County
	Warrenotn Trainin	g Center	1000	Separate		U.S. Government
	Total po	pulation served	12832			

	TY NAME AND PERMIT NUI						rm Approved 1/14/99 1B Number 2040-008
wn of	Warrenton - VA0021172			1			_
5. In	dian Country.						
a.	Is the treatment works loca	ated in Indian Co	ountry?				
	Yes	√ No	,				
b.		discharge to a re	eceiving water that is either	in Indian Country o	or that is ups	tream from (a	nd eventually flows
	through) Indian Country?	√ No					
	Yes	NO					
av	low. Indicate the design flow verage daily flow rate and ma eriod with the 12th month of "	ximum daily flov	v rate for each of the last th	ree years. Each ye	ear's data m	ust be based o	le). Also provide then a 12-month time
a.	Design flow rate	2.5 mgd					
			Two Years Ago	Last Year		This Year	
b.	Annual average daily flow	rate	2.03		2.01		1.85 mgd
C.	Maximum daily flow rate		3.27		3.36		2.68 mgd
	ollection System. Indicate to ontribution (by miles) of each.		llection system(s) used by the	ne treatment plant.	Check all ti	nat apply. Als	o estimate the perc
	✓ Separate sanitary se	wer					100 %
	Combined storm and						
		-					
	i. Discharges of treatedii. Discharges of untreateiii. Combined sewer over	effluent ed or partially tre flow points		the treatment work	(s uses:	<u>Or</u> —	ne
	iv. Constructed emergency. v. Other	cy overnows (pri	or to the neadworks)				
b.			nt to basins, ponds, or othe discharge to waters of the			Yes	No
b.		have outlets for	discharge to waters of the			Yes	No
b.	impoundments that do not	have outlets for	discharge to waters of the			Yes	_ √ _ No
b.	impoundments that do not If yes, provide the following	have outlets for	discharge to waters of the learning to the lea			Yes	No mgd
b.	impoundments that do not If yes, provide the following Location: Annual average daily volur	have outlets for	discharge to waters of the beam poundment: o surface impoundment(s)	J.S.? 		Yes	
b.	impoundments that do not If yes, provide the following Location: Annual average daily volun Is discharge	have outlets for g for each surface me discharged to continuous or	discharge to waters of the eximpoundment: o surface impoundment(s) intermittent?	J.S.? 		Yes	
	impoundments that do not If yes, provide the following Location: Annual average daily volun Is discharge	me discharged to continuous or	discharge to waters of the be impoundment: o surface impoundment(s) intermittent?	J.S.? 			mgd
	impoundments that do not If yes, provide the following Location: Annual average daily volun Is discharge Does the treatment works If yes, provide the following	me discharged to continuous or land-apply treater	discharge to waters of the be impoundment: o surface impoundment(s) intermittent?	J.S.? 			mgd
	impoundments that do not If yes, provide the following Location: Annual average daily volun Is discharge Does the treatment works If yes, provide the following	me discharged to continuous or land-apply treater	discharge to waters of the less impoundment: o surface impoundment(s) intermittent? ed wastewater? application site:	J.S.? 			mgd
	impoundments that do not If yes, provide the following Location: Annual average daily volur Is discharge Does the treatment works If yes, provide the following Location:	me discharged to continuous or land-apply treate	discharge to waters of the less impoundment: o surface impoundment(s) intermittent? ed wastewater? application site:	J.S.? 			mgd
	impoundments that do not If yes, provide the following Location: Annual average daily volun Is discharge Does the treatment works If yes, provide the following Location: Number of acres: Annual average daily volun	me discharged to continuous or land-apply treate	discharge to waters of the beauty impoundment: o surface impoundment(s) intermittent? ed wastewater? upplication site:	J.S.?			mgd

___ Yes

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER:

Town of Warrenton - VA0021172

	If transport is by a party	other than the appl	licant, provid	le:				
	Transporter name:						 	
	Mailing Address:						 ·	
	Contact person:							
	Title:	<u> </u>						
	Telephone number:						 	
	Mailing Address:							
٠	Mailing Address:							- · · · ·
	Mailing Address: Contact person:					· · · · · · · · · · · · · · · · · · ·		
						· · · · · · · · · · · · · · · · · · ·		
	Contact person: Title: Telephone number:				-			
	Contact person: Title:				-			
	Contact person: Title: Telephone number:	PDES permit numbe	er of the trea	utment works	that receives thi	s discharge.		
	Contact person: Title: Telephone number: If known, provide the NI	PDES permit numberly flow rate from the	er of the trea e treatment v	itment works works into the	that receives this receiving facility	s discharge.		
	Contact person: Title: Telephone number: If known, provide the NI Provide the average da	PDES permit numberly flow rate from the ks discharge or dispute (e.g., undergrou	er of the trea e treatment v	itment works works into the	that receives this receiving facility	s discharge.		mg
	Contact person: Title: Telephone number: If known, provide the NI Provide the average dai Does the treatment wor A.8.a through A.8.d abo	PDES permit numberly flow rate from the ks discharge or dispose (e.g., undergrouting for each dispose	er of the trea e treatment v pose of its w and percolati	ntment works works into the astewater in on, well inject	that receives this e receiving facility a manner not inction)?	s discharge.		_ mg

_	Y NAME AND PERM		;	Form Approved 1/14/99 OMB Number 2040-0086				
wn of	Warrenton - VA00	211 <i>7</i> 2 ————————————————————————————————————		and the state of t				
WAS	STEWATER DISCHA	RGES:						
If yo	u answered "yes" to	question A.8.a, complete questions A	.9 through A.12 once	for each outfall (including bypass points) through				
		ed. Do not include information on combi ional Application Information for Applica		in this section. If you answered "no" to question				
7.0.0	a, go to Fait D, Addit	ional Application mornation for Applica	into with a Design Flor	Volcate dian or Equal to g. 1 mgg.				
). De	scription of Outfall.							
a.	Outfall number	001						
b.	Location	Town of Warrenton		20186				
		(City or town, if applicable) Fauquier		(Zip Code) VA				
		(County)		(State)				
		38 degrees 43 min. 00 sec. (Latitude)		77 dégrees 48 min. 57 sec. (Longitude)				
_	Distance from shore	(if applicable)	N/A	#				
C.	Distance from shore	= (II applicable)	19/74	ii.				
d.	Depth below surfac	e (if applicable)	N/A	ft.				
е.	Average daily flow i	rate		mgd				
f.	Does this outfall has	ve either an intermittent or a						
••	periodic discharge?		Yes	√ No (go to A.9.g.)				
	If yes, provide the fo	ollowing information:		NO (go to A.s.g.)				
	Number of times pe	er year discharge occurs:						
	Average duration of	each discharge:						
	Average flow per di			mgd				
	Months in which dis	<u> </u>						
	World's III Willow die							
g.	Is outfall equipped v	with a diffuser?	Yes	√ No				
0. De	scription of Receivi	ng Waters.						
		Constant Book Till						
a.	Name of receiving v	vater Cemetery Run a Tribu	tary of Great Run					
b.	Name of watershed	(if known) Rapp	ahannock River Ba	sin				
		<u></u>	anamosk ravor ba					
	United States Soil C	Conservation Service 14-digit watershed	code (if known):					
			_					
C.	Name of State Man	agement/River Basin (if known):	<u>Rappahan</u>	nock River Basin				
	United States Geok	ogical Survey 8-digit hydrologic catalogir	ng unit code (if known)) ;				
d.	Critical low flow of r	eceiving stream (if applicable):						
	acute		chronic	cfs				
e.		eceiving stream at critical low flow (if app	alicable).	mall of CaCO				

2A YOU MUST COMPLETE

FACI	LITY NAME AND PERMIT NUMBER:	Form Approved 1/14/99									
Town	of Warrenton - VA0021172	OMB Number 2040-0086									
BA	SIC APPLICATION INFORMATION										
PAR	B. ADDITIONAL APPLICATION INFORMATION FOR APPL EQUAL TO 0.1 MGD (100,000 gallons per day).	ICANTS WITH A DESIGN FLOW GREATER THAN OR									
All ap	olicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 thro	ugh B.6. All others go to Part C (Certification).									
B.1.	Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration. 950,000* gpd										
	Briefly explain any steps underway or planned to minimize inflow and infill In 2015, the Town completed an evaluation of the water on study results (with increased I&I), the Town is propertied.	/sewer commitments and system assets. Based									
	Topographic Map. Attach to this application a topographic map of the art This map must show the outline of the facility and the following information the entire area.) (See Attachment to Part B, B.2.)	ea extending at least one mile beyond facility property boundaries. (You may submit more than one map if one map does not show									
	a. The area surrounding the treatment plant, including all unit processes										
	b. The major pipes or other structures through which wastewater enters treated wastewater is discharged from the treatment plant. Include out.	he treatment works and the pipes or other structures through which tfalls from bypass piping, if applicable.									
	c. Each well where wastewater from the treatment plant is injected unde	•									
	d. Wells, springs, other surface water bodies, and drinking water wells th works, and 2) listed in public record or otherwise known to the applica	nt.									
	e. Any areas where the sewage sludge produced by the treatment works	·									
	 If the treatment works receives waste that is classified as hazardous u truck, rail, or special pipe, show on the map where that hazardous was disposed. 	nder the Resource Conservation and Recovery Act (RCRA) by ste enters the treatment works and where it is treated, stored, and/or									
b	rocess Flow Diagram or Schematic. Provide a diagram showing the proackup power sources or redundancy in the system. Also provide a water blorination and dechlorination). The water balance must show daily average ow rates between treatment units. Include a brief narrative description of the state of the	palance showing all treatment units, including disinfection (e.g.,									
B.4. C	peration/Maintenance Performed by Contractor(s).										
A	re any operational or maintenance aspects (related to wastewater treatment ontractor?Yes _✓_No	nt and effluent quality) of the treatment works the responsibility of a									
lf p	yes, list the name, address, telephone number, and status of each contra- ages if necessary).	ctor and describe the contractor's responsibilities (attach additional									
N	ame:										
N	ailing Address:										
_											
R	esponsibilities of Contractor:										
ur tre	cheduled Improvements and Schedules of Implementation. Provide incompleted plans for improvements that will affect the wastewater treatment works has several different implementation schedules or is planning for each. (If none, go to question B.6.)	nt, effluent quality, or design capacity of the treatment works. If the ng several improvements, submit separate responses to question									
a.	List the outfall number (assigned in question A.9) for each outfall that is 001	covered by this implementation schedule.									
b.	Indicate whether the planned improvements or implementation schedu ✓ YesNo	e are required by local, State, or Federal agencies.									

I ACIEITI NAME AND FE							ber 2040-0086
Town of Warrenton - VA	.0021172						
c If the answer to	B.5.b is "Yes," b	riefly describe, in	cluding new max	imum daily inflov	w rate (if applica	ble).	
applicable. For	improvements p		ently of local, Sta	ementation steps listed planned or actual com			
		Schedule	е	Actual Completi	on		
Implementation	Stage	MM / DE) / YYYY	MM / DD / YYYY	<u>(</u>		
 Begin construct 	ction	/	/	_/_/	_		
 End constructi 	on	/	/	_/_/	_		
 Begin discharg 	je	_/_	/		-		
 Attain operation 	nal level	/	/	//	-		
e. Have appropriat	e permits/cleara	nces concerning	other Federal/Sta	ate requirements	s been obtained:) Yes	No
		g		·			
·							
	-	 .					
B.6. EFFLUENT TESTING						neters. Provide the indi	
overflows in this sec methods. In addition	tion. All informa n, this data must or analytes not ac must be no more	tion reported must comply with QA/ ddressed by 40 C	st be based on da QC requirements CFR Part 136. At	ata collected thro s of 40 CFR Part a minimum, efflo	ough analysis co	it include information on inducted using 40 CFR appropriate QA/QC requ a must be based on at le	Part 136 uirements for
POLLUTANT		MUM DAILY	AVER	AGE DAILY DIS	CHARGE	<u> </u>	 –
	Conc.	CHARGE Units	Conc.	Units	Number of	ANALYTICAL	ML/MDL
					Samples	METHOD	
CONVENTIONAL AND NO	NCONVENTION	NAL COMPOUN	DS.		•	<u> </u>	
AMMONIA (as N)	0.3	mg/l	.03	mg/l	3	SM4500-NH3D-2011	
CHLORINE (TOTAL RESIDUAL, TRC)	N/A						
DISSOLVED OXYGEN	10.7	mg/l	10.2	mg/l	3	YSI Model 58	
TOTAL KJELDAHL NITROGEN (TKN)	1.58	mg/l	1.05	mg/i	3	SM-4500NH3C-2011	
NITRATE PLUS NITRITE NITROGEN	3.35	mg/i	2.12	mg/l	3	SM-4500N03F-2011	
OIL and GREASE	N/A	1				1 100011001 2011	·
PHOSPHORUS (Total)	.12	mg/l	.06	mg/l	3	SM-4500-PE-2011	
OTAL DISSOLVED SOLIDS (TDS)	N/A					47-00-11-2011	
OTHER Escherichia Coli			1	MPN	3	Colilert-18	

END OF PART B.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE

			1
FACILITY NAME AND F	PERMIT NUMBER:		Form Approved 1/14/99 OMB Number 2040-0086
Town of Warrenton - V	A0021172		SIND Hamber 2010 cost
BASIC APPLICA	ATION INFORMAT	ION	
PART C. CERTIFICA	TION		
applicants must complete have completed and are	e all applicable sections of Fo	orm 2A, as explained in the A ertification statement, applica	ermine who is an officer for the purposes of this certification. All pplication Overview. Indicate below which parts of Form 2A you ants confirm that they have reviewed Form 2A and have completed
Indicate which parts of	Form 2A you have comple	ted and are submitting:	
Basic Applic	cation Information packet	Supplemental Application	Information packet:
		Part D (Expanded	Beffluent Testing Data)
		Part E (Toxicity T	esting: Biomonitoring Data)
		Part F (Industrial	User Discharges and RCRA/CERCLA Wastes)
		Part G (Combine	d Sewer Systems)
ALL APPLICANTS MUS	ST COMPLETE THE FOLLO	WING CERTIFICATION	
I certify under penalty of designed to assure that of who manage the system	law that this document and a qualified personnel properly g or those persons directly res d complete. I am aware that owing violations.	Il attachments were prepared pather and evaluate the inform ponsible for gathering the inf there are significant penalties	d under my direction or supervision in accordance with a system nation submitted. Based on my inquiry of the person or persons formation, the information is, to the best of my knowledge and is for submitting false information, including the possibility of fine
Name and official title	Edward B. Tucker, Jr., D	ifector of Public Works &	Utilities
Signature	MAL	3	
Telephone number	(540) 347-1858		<u> </u>
Date signed	10-22-	15	
	mitting authority, you must sul	bmit any other information ne	ecessary to assess wastewater treatment practices at the treatment

SEND COMPLETED FORMS TO:

•											
FACILITY NAME AND PERMIT I	NUMBER	₹:									proved 1/14/99
Town of Warrenton - VA00211	72						OMB Number 2040-0086				
SUPPLEMENTAL AP	PLICA	OITA	N INF	ORM	ATION	1				* * * * * * * * * * * * * * * * * * *	
			-						· 		
PART D. EXPANDED EFFLI	JENT T	ESTIN	G DAT	4	.	······································		***			
Refer to the directions on the c	over pag	je to de	termine	whethe	r this se	ction ap	plies to	the tre	atment wo	rks.	
Effluent Testing: 1.0 mgd and I (or is required to have) a pretreated data for the following pollutants. I each outfall through which effluent must be based on data collected requirements of 40 CFR Part 136 Indicate in the blank rows provided must be based on at least three process.	ment property of the second se	gram, o he indic arged. analyse: er appro any data scans a	r is other ated efflicated po not in seconduction of the priate Quarties and musting the second of t	rwise requent test notude in ted using A/QC recay have one mo	uired by ing information of the control of the cont	the perr nation a n on cor t Part 13 ts for sta nts not	nitting ar nd any c nbined s 66 metho andard n specifica one-hal	uthority other inf sewer or ods. In nethods ally liste f years	to provide the communition recoverflows in the addition, the formal from the form old.	ne data, then providing the permitting section. All informations and addressed by an Attachment 1,	e effluent testing ing authority <u>for</u> mation reported y with QA/QC 40 CFR Part 136. fluent testing data
Outfall number: 001 POLLUTANT			JM DAIL				ffluent to		of the Unite	ed States.)	
	Conc.	7	HARGE Mass	Units	Conc.	Units	Mass	Units	Number of	ANALYTICAL METHOD	WIT WOT
METALS (TOTAL RECOVERABLE), (<u> </u>						Samples	MEIFIOU	. i
WETALS (TOTAL RECOVERABLE), C	TANIDE,	THENU	T AND	HAKUNE	:SS.	,	<u> </u>	ı	1	· · · · · · · · · · · · · · · · · · ·	
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM					1						
CHROMIUM											
COPPER	}										
LEAD					!						
MERCURY											
NICKEL											
SELENIUM							,,,				
SILVER											
THALLIUM							-				

Use this space (or a separate sheet) to provide information on other metals requested by the permit writer.

ZINC

CYANIDE

TOTAL PHENOLIC COMPOUNDS

HARDNESS (AS CaCO₃)

FACILITY NAME AND PERMIT NUMBER:

Town of Warrenton - VA0021172

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.) POLLUTANT MAXIMUM DAILY AVERAGE DAILY DISCHARGE DISCHARGE Units Mass Units Number ANALYTICAL ML/ MDL Conc. Units Mass Units Conc. **METHOD** Samples **VOLATILE ORGANIC COMPOUNDS. ACROLEIN ACRYLONITRILE** BENZENE **BROMOFORM** CARBON TETRACHLORIDE CLOROBENZENE CHLORODIBROMO-METHANE **CHLOROETHANE** 2-CHLORO-ETHYLVINYL **ETHER** CHLOROFORM DICHLOROBROMO-METHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE TRANS-1,2-DICHLORO-ETHYLENE 1,1-DICHLOROETHYLENE 1,2-DICHLOROPROPANE 1,3-DICHLORO-PROPYLENE **ETHYLBENZENE** METHYL BROMIDE METHYL CHLORIDE METHYLENE CHLORIDE 1,1,2,2-TETRACHLORO-ETHANE TETRACHLORO-ETHYLENE **TOLUENE**

Form Approved 1/14/99 OMB Number 2040-0086

Town of Warrenton - VA0021172

Outfall number: 001	_ (Compi	lete onc	e for eac	h outfall	Il discharging effluent to waters of the United States.)						
POLLUTANT	N.		M DAIL	7	A۱	ÆRAGE	DAILY	DISCH	ARGE		
	Conc.	Units	HARGE Mass	Units	Conc.	Units	Mass	Units	Number	ANALYTICAL	ML/MDL
7 2 mg - 1									of Samples	METHOD	
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLORETHYLENE											
VINYL CHLORIDE											
Use this space (or a separate sheet) to	provide in	formatio	n on other	volatile o	rganic con	npounds	requested	by the p	ermit writer.		
ACID-EXTRACTABLE COMPOUNDS	<u> </u>	!									<u> </u>
P-CHLORO-M-CRESOL											
2-CHLOROPHENOL							·				
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL								·			
2,4-DINITROPHENOL											
2-NITROPHENOL					·						
4-NITROPHENOL						,					
PENTACHLOROPHENOL											
PHENOL											
2,4,6-TRICHLOROPHENOL									_		
Use this space (or a separate sheet) to	provide in	formatio	n on other	acid-extra	actable co	mpounds	requeste	d by the	permit writer.		
BASE-NEUTRAL COMPOUNDS.					1						
ACENAPHTHENE						·			-		
ACENAPHTHYLENE											
ANTHRACENE							-				
BENZIDINE							, <u></u>			_	
BENZO(A)ANTHRACENE									i		
BENZO(A)PYRENE											

FACILITY NAME AND PERMIT NUMBER:

Town of Warrenton - VA0021172

Outfall number: 001 POLLUTANT	_ (Complete once for each outfall discharging effluent to waters of the United States.) MAXIMUM DAILY AVERAGE DAILY DISCHARGE									- ;	
	Conc.		Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
3,4 BENZO-FLUORANTHENE											
BENZO(GHI)PERYLENE											
BENZO(K)FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											-
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLOROISO-PROPYL) ETHER											
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER											
BUTYL BENZYL PHTHALATE											
2-CHLORONAPHTHALENE											
4-CHLORPHENYL PHENYL ETHER											
CHRYSENE											
DI-N-BUTYL PHTHALATE											
DI-N-OCTYL PHTHALATE											
DIBENZO(A,H) ANTHRACENE											
1,2-DICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE											
DIMETHYL PHTHALATE										-, -,	
2,4-DINITROTOLUENE											
2,6-DINITROTOLUENE											
1,2-DIPHENYLHYDRAZINE											

Form Approved 1/14/99 OMB Number 2040-0086

Town of Warrenton - VA0021172

Outfall number: 001	(Comp	lete onc	e for eac	ch outfall	discharg	ing efflu	ent to w	aters of	the United	States.)	
POLLUTANT	1		JM DAIL'	Y	A۱	/ERAGE	DAILY	DISCH	ARGE		_
	Conc.		Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
FLUORANTHENE								Į.			
FLUORENE											
HEXACHLOROBENZENE											
HEXACHLOROBUTADIENE											
HEXACHLOROCYCLO- PENTADIENE											
HEXACHLOROETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE											
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI- METHYLAMINE											
N-NITROSODI-PHENYLAMINE											
PHENANTHRENE											
PYRENE											
1,2,4-TRICHLOROBENZENE											
Use this space (or a separate sheet) to	provide in	formatio	n on other	base-ne	utral comp	ounds re	quested t	y the pe	rmit writer.		
Use this space (or a separate sheet) to	provide ir	formatio	n on othe	r pollutant	s (e.g., pe	sticides)	requested	by the p	ermit writer.		
		14 7		-				a money or		-	

END OF PART D.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE

<u> </u>				
FACILITY NAME AND PERMIT NUMBE	ER:			Form Approved 1/14/99 OMB Number 2040-0086
Town of Warrenton - VA0021172	NAT S. C.			Olvis Nulliber 2040-0080
SUPPLEMENTAL APPLIC	ATION INFORMATION		*	9
PART E. TOXICITY TESTING D	ΝΑΤΑ			one and the control of the control o
POTWs meeting one or more of the follot the facility's discharge points: 1) POTWs that are required to have one under 40 C • At a minimum, these results in two species), or the results for results show no appreciable to not include information on cor analysis conducted using 40 C and other appropriate QA/QC • In addition, submit the results test conducted during the pass of a toxicity reduction evaluatifing the pass of a toxicity reduction evaluatified in guestion E.4 for methods. If test summaries a lift no biomonitoring data is required, do no complete. E.1. Required Tests. Indicate the number of whole effluerchronicacute	wing criteria must provide the results of with a design flow rate greater than of FR Part 403); or 3) POTWs required the nust include quarterly testing for a 12-com four tests performed at least annual oxicity, and testing for acute and/or chabined sewer overflows in this section CFR Part 136 methods. In addition, the requirements for standard methods for any other whole effluent toxicity test four and one-half years revealed tox on, if one was conducted. any of the information requested in Pereviously submitted information. If E re available that contain all of the information complete Part E. Refer to the Appliant toxicity tests conducted in the past of the toxicity tests.	or equal to 1.0 mgd; 2) by the permitting authormonth period within the ally in the four and one-learnic toxicity, depending. All information reported analytes not addressed its from the past four analytes not any informant E, you need not subpart methods were not under the past for direction of direction of the past for	POTWs with a try to submit da past 1 year usinalf years prior g on the range and must be based must be based by 40 CFR F d one-half year ation on the camit it again. Rased, report the w, they may be citions on which	pretreatment program (or those ta for these parameters, ing multiple species (minimum of to the application, provided the of receiving water dilution. Do sed on data collected through irements of 40 CFR Part 136. Part 136. Is. If a whole effluent toxicity use of the toxicity or any results ather, provide the information reasons for using alternate submitted in place of Part E. In other sections of the form to the toxicity.
E.2. Individual Test Data. Complete the	e following chart for each whole efflue	nt toxicity test conducte	d in the last fou	r and one-half years. Allow one
column per test (where each specie	s constitutes a test). Copy this page in Test number:	Test number:	• •	ted. Test number:
a. Test information.				
Test species & test method number				·
Age at initiation of test				
Outfall number				
Dates sample collected				
Date test started				
Duration				-
b. Give toxicity test methods follower	ed.	· · ·	<u></u>	
Manual title				
Edition number and year of publication				
Page number(s)				
c. Give the sample collection metho	od(s) used. For multiple grab samples	, indicate the number of	grab samples	used.
24-Hour composite				
Grab				
d. Indicate where the sample was ta	aken in relation to disinfection. (Check	all that apply for each)		
Before disinfection		· · · · · · · · · · · · · · · · · · ·	$\overline{}$	
After disinfection				

After dechlorination

FACILITY NAME AND PERMIT NUMBER:	:		Form Approved 1/14/99 OMB Number 2040-0086
Town of Warrenton - VA0021172			OMB Number 2040-0086
	Test number:	Test number:	Test number:
e. Describe the point in the treatment	process at which the sample was coll	ected.	-
Sample was collected:	-		
f. For each test, include whether the t	test was intended to assess chronic to	xicity, acute toxicity, or both.	
Chronic toxicity			
Acute toxicity			
g. Provide the type of test performed.			
Static			
Static-renewal			
Flow-through			
h. Source of dilution water. If laborat	ory water, specify type; if receiving wa	ter, specify source.	,
Laboratory water			
Receiving water			
i. Type of dilution water. It salt water,	, specify "natural" or type of artificial se	ea salts or brine used.	
Fresh water		·	,
Salt water			
j. Give the percentage effluent used f	or all concentrations in the test series.		
	_		
k. Parameters measured during the to	est. (State whether parameter meets to	est method specifications)	
рН			
Salinity		· · · · · · · · · · · · · · · · · · ·	
Temperature	-		
Ammonia			
Dissolved oxygen			
i. Test Results			
Acute:			
Percent survival in 100% effluent	%	%	%
LC ₅₀			
95% C.I.	%	%	%
Control percent survival	%	%	%

Other (describe)

FACILITY NAME AND PERMIT NUMBER Town of Warrenton - VA0021172	₹:		Form Approved 1/14/99 OMB Number 2040-0086				
Chronic:							
NOEC	%	%	%				
IC ₂₅	%	%	%				
Control percent survival	%	%	%				
Other (describe)							
m. Quality Control/Quality Assuran	ce.						
Is reference toxicant data available?							
Was reference toxicant test within acceptable bounds?							
What date was reference toxicant test run (MM/DD/YYYY)?							
Other (describe)							
E.4. Summary of Submitted Biomonito cause of toxicity, within the past fou summary of the results. Date submitted: Summary of results: (see instructio 100% chronic ceriodaphnia dub	describe: ring Test Information. If you have r and one-half years, provide the dat (MM/DD/YYYY) ns)		ion, or information regarding the ne permitting authority and a				
100% chronic pimephales prom							

END OF PART E.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE.

	ILITY NAME AND PERMIT NUMBER:	Form Approved 1/14/99 OMB Number 2040-0086
TOWI		
SU	PPLEMENTAL APPLICATION INFORMATION	
PAF	RT F. INDUSTRIAL USER DISCHARGES AND RCRA/CEI	RCLA WASTES
	eatment works receiving discharges from significant industrial users or plete Part F.	which receive RCRA, CERCLA, or other remedial wastes must
GEN	NERAL INFORMATION:	
F.1.	Pretreatment Program. Does the treatment works have, or is it subject to,	an approved pretreatment program?
	YesNo	
F.2.	Number of Significant Industrial Users (SIUs) and Categorical Industrial of industrial users that discharge to the treatment works.	I Users (CIUs). Provide the number of each of the following types
	a. Number of non-categorical SIUs.	
	b. Number of ClUs.	
SIG	NIFICANT INDUSTRIAL USER INFORMATION:	
	oly the following information for each SIU. If more than one SIU dischargorovide the information requested for each SIU.	es to the treatment works, copy questions F.3 through F.8
F.3.	Significant Industrial User Information. Provide the name and address of pages as necessary.	each SIU discharging to the treatment works. Submit additional
	Name:	
	Mailing Address:	
F.4.	Industrial Processes. Describe all of the industrial processes that affect or	contribute to the SIU's discharge.
F.5.	Principal Product(s) and Raw Material(s). Describe all of the principal prodischarge.	cesses and raw materials that affect or contribute to the SIU's
	Principal product(s):	
	Raw material(s):	
F.6.	Flow Rate.	
	Process wastewater flow rate. Indicate the average daily volume of proc per day (gpd) and whether the discharge is continuous or intermittent.	ess wastewater discharged into the collection system in gallons
	gpd (continuous orintermittent)	
	b. Non-process wastewater flow rate. Indicate the average daily volume of system in gallons per day (gpd) and whether the discharge is continuous	non-process wastewater flow discharged into the collection or intermittent.
	gpd (continuous orintermittent)	
F.7.	Pretreatment Standards. Indicate whether the SIU is subject to the following	g:
	a. Local limitsYesNo	
	b. Categorical pretreatment standardsYesNo	
	If subject to categorical pretreatment standards, which category and subcate	gory?

	LITY NAME AND PERMIT NUMBER:	Form Approved 1/14/99 OMB Number 2040-0086
TOWN	of Warrenton - VA0021172	
F.8.	Problems at the Treatment Works Attributed to Waste Discharged by thupsets, interference) at the treatment works in the past three years?	e SIU. Has the SIU caused or contributed to any problems (e.g.,
	YesNo If yes, describe each episode.	
RCF	A HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDIC	CATED PIPELINE:
F.9.	RCRA Waste. Does the treatment works receive or has it in the past three y pipe?YesNo (go to F.12.)	ears received RCRA hazardous waste by truck, rail, or dedicated
F.10.	Waste Transport. Method by which RCRA waste is received (check all that	t apply):
	TruckRailDedicated Pipe	
F.11.	Waste Description. Give EPA hazardous waste number and amount (volume EPA Hazardous Waste Number Amount	me or mass, specify units). <u>Units</u>
		
CER ACT	CLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORI ION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTE	RECTIVE WATER:
F.12.	Remediation Waste. Does the treatment works currently (or has it been no	tified that it will) receive waste from remedial activities?
	Yes (complete F.13 through F.15.)No	
	Provide a list of sites and the requested information (F.13 - F.15.) for each of	urrent and future site.
F.13.	Waste Origin. Describe the site and type of facility at which the CERCLA/R in the next five years).	CRA/or other remedial waste originates (or is expected to originate
F.14.	Pollutants. List the hazardous constituents that are received (or are expect known. (Attach additional sheets if necessary).	ed to be received). Include data on volume and concentration, if
F.15.	Waste Treatment.	
	Is this waste treated (or will it be treated) prior to entering the treatment v	vorks?
	YesNo	
	If yes, describe the treatment (provide information about the removal effi-	ciency):
		
	b. Is the discharge (or will the discharge be) continuous or intermittent?	
		aniha disabawa sabadula
	ContinuousIntermittent If intermittent, de	scribe discharge schedule.

END OF PART F.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER: Form Approved 1/14/99 OMB Number 2040-0086 Town of Warrenton - VA0021172 SUPPLEMENTAL APPLICATION INFORMATION PART G. COMBINED SEWER SYSTEMS If the treatment works has a combined sewer system, complete Part G. G.1. System Map. Provide a map indicating the following: (may be included with Basic Application Information) a. All CSO discharge points. b. Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters). c. Waters that support threatened and endangered species potentially affected by CSOs. G.2. System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate drawing, of the combined sewer collection system that includes the following information: a. Locations of major sewer trunk lines, both combined and separate sanitary. b. Locations of points where separate sanitary sewers feed into the combined sewer system. c. Locations of in-line and off-line storage structures. d. Locations of flow-regulating devices. e. Locations of pump stations. **CSO OUTFALLS:** Complete questions G.3 through G.6 once for each CSO discharge point. G.3. Description of Outfall. a. Outfall number b. Location (City or town, if applicable) (Zip Code) (County) (State) (Latitude) (Longitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency _CSO flow volume Receiving water quality

G.4. CSO Events.

a. Give the number of CSO events in the last year.

_____ events (___ actual or ___ approx.)

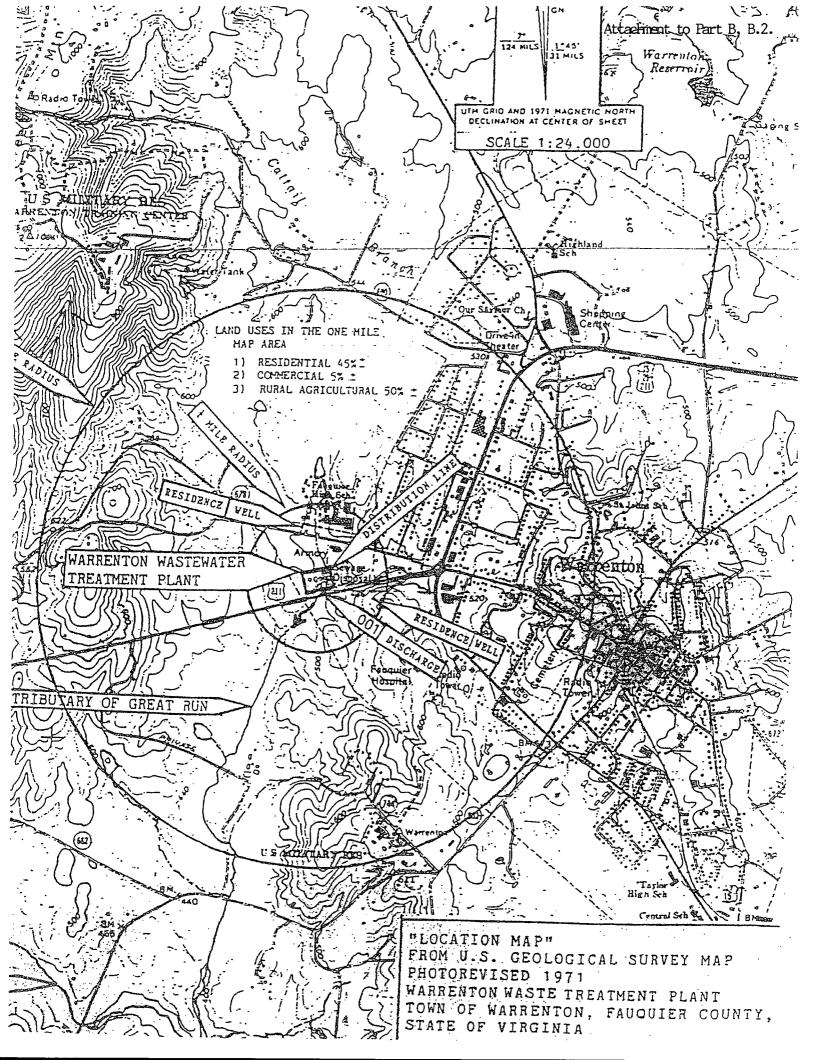
f. How many storm events were monitored during the last year?

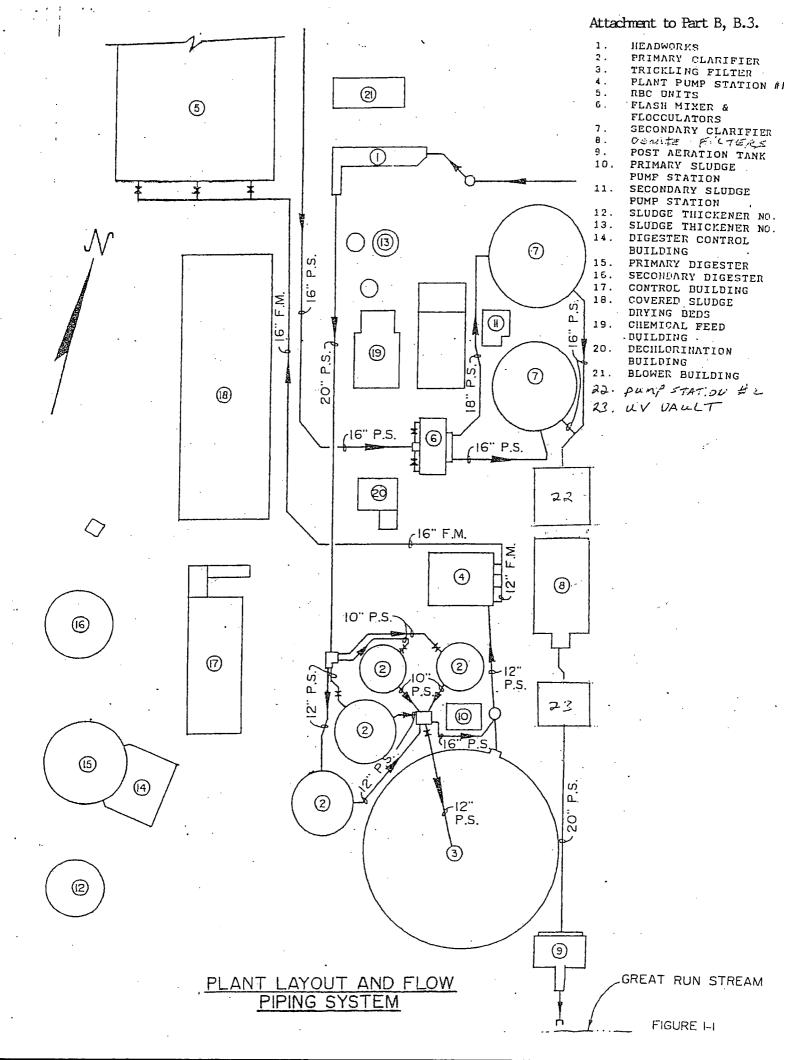
b. Give the average duration per CSO event.

_____ hours (____ actual or ____ approx.)

FACILITY NAME AND PERMIT NUMBER: Form Approved 1/14/99 OMB Number 2040-0086 Town of Warrenton - VA0021172 c. Give the average volume per CSO event. _ million gallons (_____ actual or ____ approx.) d. Give the minimum rainfall that caused a CSO event in the last year. __ inches of rainfall G.5. Description of Receiving Waters. a. Name of receiving water: _ b. Name of watershed/river/stream system: United States Soil Conservation Service 14-digit watershed code (if known): c. Name of State Management/River Basin: United States Geological Survey 8-digit hydrologic cataloging unit code (if known): G.6. CSO Operations. Describe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or intermittent shell fish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable State water quality standard).

END OF PART G.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE.







218 North Main St. ♦ P.O. Box 520 ♦ Culpeper, Virginia 22701 ♦ Tel: (540) 825-6660 ♦ Fax (540) 825-4961 ♦ www.ess-services.com

Analytical Report

Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186

Report Date:

09/25/2015

Report #

4913

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

Customer

Sample Location: Expanded Effluent - Permit

Renewal

The test results submitted in this report relate only to the samples submitted and as received by Environmental Systems Service, Ltd (ESS).

ESS assumes no responsibility, express or implied, as to the interpretation of the analytical results contained in this report.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of ESS.

If you have received this report in error, please notify ESS immediately at (540) 825-6660.

Approved by:

A. Woodward/Technical Director

Angie Woodward

Reviewers Initials





Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

09/25/2015

Report #:

4913

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

Customer

Sample Location: Expanded Effluent - Permit

Renewal

Sample ID#: Sample Date/Time: 0056388

08/27/2015 / 08:45

Sample Source:

Outfall 001

Date Received:

08/27/2015

						· · · · · · · · · · · · · · · · · · ·	
Parameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
Total Cyanide	< 0.005	mg/l	0.005	EPA 335.4	09/02/2015	13:32	01
Total Hardness as CaCO3	120	mg/l	0.0500	EPA 200.7	09/03/2015	13:12	57
Phenois, Total	< 0.02	mg/l	0.02	EPA 420.4	09/03/2015	12:14	01:
Antimony, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/02/2015	09:33	574
Arsenic, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/02/2015	09:33	574
Beryllium, Total Recoverable	< 0.00100	mg/l	0.00100	EPA 200.8	09/02/2015	09:33	57. 57.
Cadmium, Total Recoverable	< 0.00250	mg/l	0.00250	EPA 200.8	09/02/2015	09:33	574
Chromium, Total Recoverable	< 0.00500	mg/l	0.00500	EPA 200.8	09/02/2015	09:33	574
Copper, Total Recoverable	< 0.00500	mg/l	0.00500	EPA 200.8	09/02/2015	09:33	574
Lead, Total Recoverable	< 0.00500	mg/l	0.00500	EPA 200.8	09/02/2015	09:33	574
Mercury, Total Recoverable	< 0.000200	mg/l	0.000200	EPA 245.2	09/11/2015	11:06	574
Nickel, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8			
Selenium, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/02/2015 09/02/2015	09:33	574
Silver, Total Recoverable	< 0.00500	mg/l	0.00500	EPA 200.8		09:33	574
Thallium, Total Recoverable	< 0.00400	mg/l	0.00400	EPA 200.8	09/02/2015	09:33	574
Zinc, Total Recoverable	0.0194	mg/l	0.0100	EPA 200.8	09/02/2015	09:33	574
624 Volatiles			0.0.00	L. 7. 200.0	09/02/2015	09:33	574
Acrol ein	< 0.0200	mg/l	0.0200	EPA 624	09/10/2015	05.40	
Acrylonitrile	< 0.0200	mg/l	0.0200	EPA 624		05:10	574
Benzene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	574
Dichlorobromomethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	574
Bromoform	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	574
3romomethane	< 0.00500	mg/l	0.00500	EPA 624	09/10/2015	05:10	574
Carbon Tetrachloride	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	574
Chlorobenzene	< 0.00200	mg/i	0.00200	EPA 624	09/10/2015	05:10	574
Chlorodibromomethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	574
Chloroethane	< 0.00500	mg/l	0.00500	EPA 624		05:10	574
2-Chloroethylvinylether	< 0.0400	mg/l	0.0400	EPA 624		05:10	574
Chloroform	< 0.00200	mg/l	0.00200	EPA 624		05:10	574
Chloromethane	< 0.00500	mg/l	0.00500	EPA 624		05:10	574
,2-Dichlorobenzene	< 0.00200	mg/i	0.00200			05:10	574
,3-Dichlorobenzene	< 0.00200	mg/l	0.00200	EPA 624		05:10	574
	0.00200	my/i	0.00200	EPA 624	09/10/2015	05:10	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

09/25/2015

Report #:

4913

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

Customer

Sample Location: Expanded Effluent - Permit

Renewal

Sample ID#:

0056388

Sample Source:

Outfall 001

Sample Date/Time:	08/27/2015 / 0	8:45 	Date Received:	08/27/2015			
Parameter	Results	Unit	Report Limit	Method	Analysis Date	Time	IN
1,4-Dichlorobenzene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
1,1-Dichtoroethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
1,2-Dichloroethane	< 0.00200	mg/i	0.00200	EPA 624	09/10/2015	05:10	5
1,1-Dichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
trans-1,2-Dichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
1,2-Dichloropropane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
cis-1,3-Dichloropropene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
trans-1,3-Dichloropropene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
Ethylbenzene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
Methylene Chloride	< 0.00500	mg/l	0.00500	EPA 624	09/10/2015	05:10	5
1,1,2,2-Tetrachloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
Tetrachioroethene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
Toluene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5 [.]
1,1,1-Trichloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5 [.]
1,1,2-Trichloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5
Trichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5 :
Trichlorofluoromethane	< 0.00200	mg/l	0.00200	EPA 624	09/10/2015	05:10	5:
Vinyl Chloride	< 0.00200	.mg/l	0.00200	EPA 624	09/10/2015	05:10	51
625 Semi-Volatiles		. •		•	34.13.2313		-
Acenaphthene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5:
Acenaphthylene	< 0.0100	mg/i	0.0100	EPA 625	09/03/2015	16:00	57
Anthracene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Benzidine	< 0.0200	mg/l	0.0200	EPA 625	09/03/2015	16:00	57
Benzo(a)anthracene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Benzo(a)pyrene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Benzo(b)fluoranthene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Benzo(ghi)perylene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Benzo(k)fluoranthene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
4-Bromophenyl phenyl ether	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Butylbenzyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
4-Chloro-3-methylphenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Bis(2-Chloroethoxy)methane	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

09/25/2015

Report #:

4913

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

Customer

Sample Location: Expanded Effluent - Permit

Renewal

Sample ID#: Sample Date/Time: 0056388

08/27/2015 / 08:45

Sample Source:

Outfall 001

Date Received:

08/27/2015

Parameter	Results	Unit	Report Limit	Method	Analysis Date	Time	iN
Bis(2-Chloroethyl)ether	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
Bis(2-Chloroisopropyl)ether	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
2-Chloronaphthalene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
2-Chlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
4-Chlorophenyl phenyl ether	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
Chrysene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
Di-n-butyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
Di-n-octyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5
Dibenzo(a,h)anthracene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5 [.]
3,3-Dichlorobenzidine	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5:
2,4-Dichlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5:
Diethyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5:
2,4-Dimethylphenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	5;
Dimethyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
2,4-Dinitrophenol	< 0.0200	mg/l	0.0200	EPA 625	09/03/2015	16:00	57
2,4-Dinitrotoluene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
2,6-Dinitrotoluene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
1,2-Diphenylhydrazine	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Bis(2-Ethylhexyl)Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Fluoranthene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Fluorene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Hexachlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Hexachlorobutadiene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Hexachlorocyclopentadiene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Hexachloroethane	< 0.0100	mg/i	0.0100	EPA 625	09/03/2015	16:00	57
ndeno(1,2,3-cd)pyrene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
sophorone	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
1,6-Dinitro-o-cresol	< 0.0100	mg/I	0.0100	EPA 625	09/03/2015	16:00	57
kaphthalene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Nitrobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
2-Nitrophenol	< 0.0100	mg/i	0.0100	EPA 625	09/03/2015	16:00	57
I-Nitrophenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57



Analytical Report

Warrenton, Town of Mr. Allen Chichester

P. O. Box 341

Warrenton, VA 20186

Report Date:

09/25/2015

Report #:

4913

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

Customer

Sample Location: Expanded Effluent - Permit

Renewal

Sample ID#: Sample Date/Time: 0056388

08/27/2015 / 08:45

Sample Source:

Outfall 001

Date Received: 08/27/2015

Parameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INI
N-nitrosodimethylamine	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
N-nitrosodi-n-propylamine	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
N-nitrosodiphenylamine	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Pentachlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Phenanthrene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Phenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
Pyrene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
1,2,4-Trichlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
2,4,6-Trichlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57
2,3,7,8-Tetrachlorodibenzodiox	< 0.0100	mg/l	0.0100	EPA 625	09/03/2015	16:00	57

574 Samples subcontracted to VELAP ID# 460160

013 Samples subcontracted to VELAP ID# 460013



218 North Main Street ● Post Office Box 520 ● Culpeper, Virginia 22701 ● 800-541-2116 ● 540-825-6660 ● Fax. 540-825-4961

500 Stone Street ● Post Office Box 736 ● Bedford, Virginia 24523 ● 540-586-5413 ● Fax: 540-586-5530

4913

Providing Solutions Through Quality Service

www.ess-services.com.

¹Email: info@ess-services.com

Company	Town of Warrenton									CHAIN OF CUSTODY RECORD																
Contact Address Address Phone		Allen Chichester								A	<u>d</u> di	tio <u>r</u>	al	Notes/ C	omme <u>nts/ S</u>	peci	al In	struc	ction	s:						
Project Na	me/	me/Site Expanded Effluent - Permit Renewal						newal	P.O.#	12062				X62	-		ANALYS					iE S				
Sampled By:	Y: /RELANK O. B. P. IVE / New (Print Name)						Iren		Signature 6 0 5 5 6 6 6																	
ESS SAMPLE ID	. (COLLEC	TI	ME			SAMF LOCA			CONT. SIZE		RS #		COMP	SAMPLE MATRIX	PRESERVATIVE	Cyanide	Hardness	Voc's (6.	Semi Vol	Phenols	Metals	/	/		COMMENTS
<u>56388</u>	8-	27-15	68	45	Out	Lal	0	al_		250ml	P	1	Х		ww	NaOh	Х									*Sb,As,Be,Cd,Cr,
			Ц							250ml	Р	1	х		ww	HN03		х								Cu,Pb,Hg,NI,Se,
	<u> </u>		Ц							40ml	G	3	X		ww	HCI			х							Ag,TI,Zn
		\	Ц							1L	G	2	X		ww	none				Х						
		<u> </u>	11		L					1L	G	1	X		ww	H2SO4					х					
V		<u>'</u>	J			J				250ml	Р	1	X		ww	HN03						Х				
			ـــ								_		L													
	×	·····	╄┈		ļ					_	<u>_</u>	ļ	L													
			┝							_	_	ļ	_													
			├		<u> </u>				 		_	<u> </u>														
			} -				<u></u>			-						-										Preservative
Relinquished by:			Date	, —	Time	Reco	ived by	·			L		Ц		L			L.,								pH Check: 62
Dean 3/27 1400							Relinquished by:						Date		Time Re		Receive	Received by.								
Relinquished by:			Date	•	Time	Recei	ved by.					Rein	nquisi	red b	by.			Date		Time		Receiv	ed for l	aborate	ory by.	
Method of Delivery:						29							8-27-						Doodward							
☐ UPS ☐ Fed Ex ☐ Hand Delivery Received								TAT: Normal Rush						- Job#-F			2000682			Sample Condition "OK"						
□ UPS Overnight □ Post Office □						er 2 hours	Need Results by _										0		Upon Receipt							
	8-27-15												L	Sai	mple Condition Stamp											



218 North Main St. ♦ P.O. Box 520 ♦ Culpeper, Virginia 22701 ♦ Tel: (540) 825-6660 ♦ Fax (540) 825-4961 ♦ <a href=/swww.ess-services.com

Analytical Report

Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 Report Date:

10/01/2015

Report #

5074

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent-Permit

Renewal (#2)

The test results submitted in this report relate only to the samples submitted and as received by Environmental Systems Service, Ltd (ESS).

ESS assumes no responsibility, express or implied, as to the interpretation of the analytical results contained in this report.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise noted.

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 ${\mathscr S}$ If you have received this report in error, please notify ESS immediately at (540) 825-6660.

Approved by:

A. Woodward/Technical Director

Angie Woodward

Reviewers Initials #\square

VELAP Lab ID

#460019





Report Date:

10/01/2015

Report #:

5074

Job#:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent-Permit

Renewal (#2)

ample ID#: ample Date/Time: 0056754

Warrenton, Town of Mr. Allen Chichester

Warrenton, VA 20186

P. O. Box 341

09/04/2015 / 10:00

Sample Source: Date Received:

Outfall 001

09/04/2015

rameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
ital Cyanide	< 0.005	mg/l	0.005	EPA 335.4	09/10/2015	14:06	013
ital Hardness as CaCO3	110	mg/l	0.0500	EPA 200.7	09/14/2015	12:49	574
nenols, Total	< 0.02	mg/l	0.02	EPA 420.4	09/17/2015	12:51	013
ntimony, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/15/2015	13:43	574
senic, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/15/2015	13:43	574
eryllium, Total Recoverable	< 0.00100	mg/l	0.00100	EPA 200.8	09/15/2015	13:43	574
admium, Total Recoverable	< 0.00250	mg/l	0.00250	EPA 200.8	09/15/2015	13:43	574
nromium, Total Recoverable	0.00646	mg/l	0.00500	EPA 200.8	09/15/2015	13:43	574
opper, Total Recoverable	0.00535	mg/i	0.00500	EPA 200.8	09/15/2015	13:43	574
ead, Total Recoverable	< 0.00500	mg/l	0.00500	EPA 200.8	09/15/2015	13:43	574
ercury, Total Recoverable	< 0.000200	mg/l	0.000200	EPA 245.2	09/15/2015	13:51	574
ickel, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/15/2015	13:43	574
elenium, Total Recoverable	< 0.0100	mg/l	0.0100	EPA 200.8	09/15/2015	13:43	574
	< 0.00500	mg/l	0.00500	EPA 200.8	09/15/2015	13:43	574
ilver, Total Recoverable	< 0.00400	mg/l	0.00400	EPA 200.8	09/15/2015	13:43	574
nallium, Total Recoverable	0.0198	mg/i	0.0100	EPA 200.8	09/15/2015	13:43	574
inc, Total Recoverable	0.0130	my/	4.4 .5.5				
624 Volatiles .	< 0.0200	mg/L	0.0200	EPA 624	09/14/2015	02:54	574
crolein	< 0.0200	mg/L	0.0200	EPA 624	09/14/2015	02:54	574
crylonitrile	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
enzene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
ichlorobromomethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
romoform	< 0.00500	mg/L	0.00500	EPA 624	09/14/2015	02:54	574
romomethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
arbon Tetrachloride	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
hlorobenzene	< 0.00500	mg/L	0.00500	EPA 624	09/14/2015	02:54	574
hlorodibromomethane	< 0.00500	mg/L	0.00500	EPA 624	09/14/2015	02:54	574
hloroethane	< 0.00300	_	0.0400	EPA 624	09/14/2015	02:54	574
-Chloroethylvinylether		mg/L	0.00200	EPA 624	09/14/2015	02:54	574
hloroform	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
hloromethane	< 0.00500	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
,1-Dichloroethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
,2-Dichloroethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
,1-Dichloroethene	< 0.00200	mg/L	0.00200	LI' A VET	GO, ITALO IO	· - ·	





Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 Report Date:

10/01/2015

Report #:

5074

Job #:

0004580

Customer #:

0000751

Customer PO#:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent-Permit

Renewal (#2)

ample ID#: iample Date/Time: 0056754

09/04/2015 / 10:00

Sample Source:

Outfall 001

Date Received:

09/04/2015

ırameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
1-Dichloroethene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
ins-1,2-Dichloroethene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
2-Dichloropropane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
⊢1,3-Dichloropropene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
ns-1,3-Dichloropropene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
hylbenzene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
thylene Chloride	< 0.00500	mg/L	0.00500	EPA 624	09/14/2015	02:54	574
1,2,2-Tetrachloroethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
trachloroethene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
luene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
1,1-Trichloroethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
1,2-Trichloroethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
chloroethene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
chlorofluoromethane	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
nyl Chloride	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
?-Dichlorobenzene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
3-Dichlorobenzene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
I-Dichlorobenzene	< 0.00200	mg/L	0.00200	EPA 624	09/14/2015	02:54	574
325 Semi-Volatiles		-					
enaphthene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
enaphthylene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
thracene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nzidine	< 0.0204	mg/L	0.0204	EPA 625	09/10/2015	18:36	574
nzo(a)anthracene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nzo(a)pyrene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nzo(b)fluoranthene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nzo(ghi)perylene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nzo(k)fluoranthene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
Bromophenyl phenyl ether	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
tylbenzyl Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
Chloro-3-methylphenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
(2-Chloroethoxy)methane	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
(2-Chloroethyl)ether	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 Report Date:

10/01/2015

Report #:

5074

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent-Permit

Renewal (#2)

lample ID#: lample Date/Time:

0056754

09/04/2015 / 10:00

Sample Source: Date Received:

Outfall 001

09/04/2015

rameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
s(2-Chloroethyl)ether	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
s(2-Chloroisopropyl)ether	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
Chloronaphthalene "	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
Chlorophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
Chiorophenyl phenyl ether	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
ırysene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
-n-butyl Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
-n-octyl Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
penzo(a,h)anthracene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
3-Dichlorobenzidine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
I-Dichlorophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
ethyl Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
⊢Dimethylphenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nethyl Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
I-Dinitrophenol	< 0.0204	mg/L	0.0204	EPA 625	09/10/2015	18:36	574
I-Dinitrotoluene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
3-Dinitrotoluene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
!-Diphenylhydrazine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
:(2-Ethylhexyl)Phthalate	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
ioranthene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
iorene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
xachlorobenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
xachlorobutadiene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
xachlorocyclopentadiene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
xachloroethane	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
eno(1,2,3-cd)pyrene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
phorone	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
-Dinitro-o-cresol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
phthalene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
robenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
litrophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
litrophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
nitrosodimethylamine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 Report Date:

10/01/2015

Report #:

5074

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent-Permit

Renewal (#2)

Sample iD#: Sample Date/Time: 0056754

09/04/2015 / 10:00

Sample Source:

Outfall 001

09/04/2015 **Date Received:**

arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
I-nitrosodimethylamine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
l-nitrosodi-n-propylamine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
l-nitrosodiphenylamine	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
entachlorophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
henanthrene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
henol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
yrene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
,2,4-Trichlorobenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
,4,6-Trichlorophenol	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
,3,7,8-Tetrachlorodibenzodiox	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
,2-Dichlorobenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
3-Dichlorobenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574
,4-Dichlorobenzene	< 0.0102	mg/L	0.0102	EPA 625	09/10/2015	18:36	574

574 Samples subcontracted to VELAP ID# 460160

013 Samples subcontracted to VELAP ID# 460013



218 North Main Street ● Post Office Box 520 ● Culpeper, Virginia 22701 ● 800-541-2116 ● 540-825-6660 ● Fax: 540-825-4961

500 Stone Street ● Post Office Box 736 ● Bedford, Virginia 24523 ● 540-586-5413 ● Fax: 540-586-5530

5074

COC # SUCKER

Providing Solutions Through Quality Service

www.ess-services.com

Email: info@ess-services.com

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218 North Main St. ♦ P.O. Box 520 ♦ Culpeper, Virginia 22701 ♦ Tel: (540) 825-6660 ♦ Fax (540) 825-4961 ♦ www.ess-services.com

Analytical Report

Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186

Report Date:

10/01/2015

Report #

5239

Job#:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent

The test results submitted in this report relate only to the samples submitted and as received by Environmental Systems Service, Ltd (ESS).

ESS assumes no responsibility, express or implied, as to the interpretation of the analytical results contained in this report.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of ESS.

If you have received this report in error, please notify ESS immediately at (540) 825-6660.

Approved by:

A. Woodward/Technical Director

Hogie Woodward

Reviewers Initials _



Report Date:

10/01/2015

Report #:

5239

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent

Sample ID#: Sample Date/Time:

0057070

Warrenton, Town of Mr. Allen Chichester

Warrenton, VA 20186

P. O. Box 341

09/11/2015 \(/ 10:10

Sample Source: Date Received:

Outfall 001

09/11/2015

otal Cyanide otal Hardness as CaCO3 henols, Total ntimony, Total Recoverable rsenic, Total Recoverable eryllium, Total Recoverable admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ead, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable		 0.005 116 0.02 0.0100 0.0100 0.00100 0.00250 0.00500 0.00500 0.00500 	mg/l mg/l mg/l mg/l mg/l mg/l mg/l	0.005 0.0500 0.02 0.0100 0.0100 0.00100 0.00250 0.00500	EPA 335.4 EPA 200.7 EPA 420.4 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8	09/18/2015 09/17/2015 09/17/2015 09/17/2015 09/17/2015 09/17/2015	09:35 15:45 12:51 12:38 12:38	013 574 013 574 574
henols, Total ntimony, Total Recoverable rsenic, Total Recoverable eryllium, Total Recoverable admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ead, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable		 0.02 0.0100 0.0100 0.00100 0.00250 0.00500 	mg/l mg/l mg/l mg/l mg/l mg/l	0.02 0.0100 0.0100 0.00100 0.00250	EPA 420.4 EPA 200.8 EPA 200.8 EPA 200.8	09/17/2015 09/17/2015 09/17/2015	12:51 12:38 12:38	574 013 574
ntimony, Total Recoverable rsenic, Total Recoverable eryllium, Total Recoverable admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ead, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable		 0.0100 0.0100 0.00100 0.00250 0.00500 0.00500 	mg/l mg/l mg/l mg/l mg/l	0.0100 0.0100 0.00100 0.00250	EPA 200.8 EPA 200.8 EPA 200.8	09/17/2015 09/17/2015	12:38 12:38	574
rsenic, Total Recoverable eryllium, Total Recoverable admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ead, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable		0.0100 0.00100 0.00250 0.00500	mg/l mg/l mg/l mg/l	0.0100 0.00100 0.00250	EPA 200.8 EPA 200.8	09/17/2015	12:38	574
eryllium, Total Recoverable admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ad, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable elenium, Total Recoverable	< < < < < < < < < < < < < < < < < < <	0.00100 0.00250 0.00500 0.00500	mg/l mg/l mg/l	0.00100 0.00250	EPA 200.8			
admium, Total Recoverable hromium, Total Recoverable opper, Total Recoverable ad, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable elenium, Total Recoverable	<	0.00250 0.00500 0.00500	mg/l mg/l	0.00250		09/17/2015		
hromium, Total Recoverable opper, Total Recoverable ad, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable alenium, Total Recoverable	<	0.00500 0.00500	mg/l		EPA 200 8		12:38	574
opper, Total Recoverable ad, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable elenium, Total Recoverable	<	0.00500	_	0.00500	- 17 EUU.U	09/17/2015	12:38	574
ercury, Total Recoverable ercury, Total Recoverable ckel, Total Recoverable elenium, Total Recoverable	<		- mali	บ.บอบบ	EPA 200.8	09/17/2015	12:38	574
ercury, Total Recoverable ckel, Total Recoverable elenium, Total Recoverable	<	0.00500	mg/l	0.00500	EPA 200.8	09/17/2015	12:38	574
ckel, Total Recoverable elenium, Total Recoverable			mg/l	0.00500	EPA 200.8	09/17/2015	12:38	574
elenium, Total Recoverable	<	0.000200	mg/l	0.000200	EPA 245.2	09/17/2015	07:39	574
	-	0.0100	mg/l	0.0100	EPA 200.8	09/17/2015	12:38	574
	<	0.0100	mg/l	0.0100	EPA 200.8	09/17/2015	12:38	574
lver, Total Recoverable	<	0.00500	mg/l	0.00500	EPA 200.8	09/17/2015	12:38	574
ıallium, Total Recoverable	<	0.00400	mg/l	0.00400	EPA 200.8	09/17/2015	12:38	574
nc, Total Recoverable		0.0181	mg/l	0.0100	EPA 200.8	09/17/2015	12:38	574
324 Volatiles			-					.
rolein	<	0.0250	mg/l	0.0250	EPA 624	09/21/2015	17:00	574
rylonitrile	<	0.0250	mg/l	0.0250	EPA 624	09/21/2015	17:00	574
enzene	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
chlorobromomethane	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
omoform	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
omomethane	<	0.00500	mg/l	0.00500	EPA 624	09/21/2015	17:00	574
rbon Tetrachloride	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
lorobenzene	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
lorodibromomethane	<	0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
loroethane	<	0.00500	mg/l	0.00500	EPA 624	09/21/2015	17:00	574
Chloroethylvinylether	<	0.0200	mg/I	0.0200	EPA 624		17:00	574
loroform	<	0.00200	mg/i	0.00200	EPA 624		17:00	574
loromethane	<	0.00500	mg/l	0.00500	EPA 624		17:00	574
-Dichlorobenzene	<	0.00200	mg/l	0.00200	EPA 624		17:00	574
-Dichlorobenzene	<	0.00200	mg/l	0.00200	EPA 624		17:00	574
-Dichlorobenzene	<	0.00200	mg/l	0.00200	EPA 624		17:00	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 Report Date:

10/01/2015

Report #:

5239

Job #:

0004580

Customer #:

0000751

Customer PO#:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent

Sample ID#: Sample Date/Time: 0057070

09/11/2015 / 10:10

Sample Source: **Date Received:**

Outfall 001

09/11/2015

arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
,1-Dichloroethane	< 0.00200) mg/l	0.00200	EPA 624	09/21/2015	17:00	574
,2-Dichloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
,1-Dichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
ans-1,2-Dichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
,2-Dichloropropane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
s-1,3-Dichloropropene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
ans-1,3-Dichloropropene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
thylbenzene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
ethylene Chloride	< 0.00500	mg/l	0.00500	EPA 624	09/21/2015	17:00	574
1,2,2-Tetrachloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
∍trachloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
duene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
1,1-Trichloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
1,2-Trichloroethane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
ichloroethene	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
ichlorofluoromethane	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
nyl Chloride	< 0.00200	mg/l	0.00200	EPA 624	09/21/2015	17:00	574
325 Semi-Volatiles							
ænaphthene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
enaphthylene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
ıthracene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
ınzidine	< 0.0200	mg/l	0.0200	EPA 625	09/16/2015	18:10	574
nzo(a)anthracene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
:nzo(a)pyrene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
:nzo(b)fluoranthene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
:nzo(ghi)perylene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
:nzo(k)fluoranthene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
3romophenyl phenyl ether	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
tylbenzyl Phthalate	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
Chloro-3-methylphenol	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
3(2-Chloroethoxy)methane	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
i(2-Chloroethyl)ether	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
3(2-Chloroisopropyl)ether	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186

Analytical Report

Report Date:

10/01/2015

Report #:

5239

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent

Sample ID#: Sample Date/Time:

0057070

09/11/2015 / 10:10

Sample Source: Date Received:

Outfall 001

09/11/2015

arameter	R	lesults	Unit	Report Limit	Method	Analysis Date Tin	e INIT
-Chloronaphthalene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:	0 574
-Chlorophenol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:	0 574
-Chlorophenyl phenyl ether	<	0.0100	mg/i	0.0100	EPA 625	09/16/2015 18:	0 574
hrysene	<	0.0100	mg/i	0.0100	EPA 625	09/16/2015 18:	0 574
i-n-butyl Phthalate	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:	0 574
i-n-octyl Phthalate	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
ibenzo(a,h)anthracene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
,3-Dichlorobenzidine	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
,4-Dichlorophenol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
iethyl Phthalate	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
,4-Dimethylphenol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	0 574
imethyl Phthalate	<	0.0100 /	mg/i	0.0100	EPA 625	09/16/2015 18:1	0 574
,4-Dinitrophenol	<	0.0200	mg/l	0.0200	EPA 625	09/16/2015 18:1	0 574
4-Dinitrotoluene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	3 574
6-Dinitrotoluene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
2-Diphenylhydrazine	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
is(2-Ethylhexyl)Phthalate	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
uoranthene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
uorene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
exachiorobenzene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
exachlorobutadiene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
exachlorocyclopentadiene	<	0.0100	mg/i	0.0100	EPA 625	09/16/2015 18:1	574
exachloroethane		0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:1	574
deno(1,2,3-cd)pyrene		0.0100	mg/i	0.0100	EPA 625	09/16/2015 18:10	574
ophorone	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
6-Dinitro-o-cresol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
aphthalene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
itrobenzene	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
Nitrophenol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
Nitrophenol	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
-nitrosodimethylamine	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
-nitrosodi-n-propylamine	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574
-nitrosodiphenylamine	<	0.0100	mg/l	0.0100	EPA 625	09/16/2015 18:10	574



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

10/01/2015

Report #:

5239

Job #:

0004580

Customer #:

0000751

Customer PO #:

12062

Collected By:

ESS Employee

Sample Location: Expanded Effluent

Sample ID#: Sample Date/Time: 0057070

09/11/2015 / 10:10

Sample Source:

Outfall 001 **Date Received:**

09/11/2015

arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
entachlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
henanthrene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
nenol	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
yrene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
2,4-Trichlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
4,6-Trichlorophenol	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
3,7,8-Tetrachlorodibenzodiox	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
2-Dichlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
3-Dichlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574
4-Dichlorobenzene	< 0.0100	mg/l	0.0100	EPA 625	09/16/2015	18:10	574

574 Samples subcontracted to VELAP ID# 460160

013 Samples subcontracted to VELAP ID# 460013

SAMPI	LE CI	AIN	OF	HICT	nnv	RECOR	A FA														5239
Company	Toward			Jugit	uui	KEUUK	KU .				_	ENVIRON	MENT	AL S	YST	EWS	SER	VICE	LTD		
Company Contact Address Address Phone	······						 		(imam	ES	Some in	218 N Post (Culpe	lorth M Office E per, VA 41-211	ain St Iox 520 \ 2270)		*********		500 S Post (tone St Office Box 736 rd, VA 24523
Project Nar	ne/Site	Exc	# 3	d EF	ر د عر	Final			w />	w.es	s-service	s.com				: 540-6	25-496	i1			36-5413 40-586-5530
Sampled By	1: TR	- EVOR	(Print Nam	302 NE	- /	ALM: ALM	Lour		6	3 da	me	-			Ä	7	A Roy	ALYS, /	ES /		
ESS SAMPLE ID	COLL DATE	ECTION TIME		S. LC	AMPLE OCATIO		(Signa CONT SIZE	AINE	ERS		SAMPLE	PRESERVATIVE	للى الم	7 7		19 (424)		Zerz Kr	* / Sign	//	
9 10 10	77,73	1010	1 00	tfall i	00	<u> </u>	 	 		x	ww	Nach	×				1				/ COMMENTS
		11					250	P	1	X	 	HNO3		Х						_	× 200.8
							40mL	6	3	x	╂╼╂╼╼	HCL	\perp		×						7, 20.0
							1/2	6	2	Y	 					X					
	4	V		4	/		1 <u>L</u> 250	6	-	X	├	H2504					X				
			-				#30	ρ			A	HNO3						x			
			 -				<u> </u>		-											-	Preservative
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		ļ					- \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			+-											42
inquished by:		Date	Time	Received	bv:																
run Os) lane	9-11-15	1403		,			ľ	Relinq	uished t	by:		C	ate		Time		Receive	d by:		
linquished by:		Date	Time	Received	by:		····	F	Relinq	uished b	y:		- 1	ate		Time		Received	d for Lab	Catory by	
thod of Delivery:			<u></u>			<u> </u>							1	7 1		140	3	(A_{Λ}	
□ UPS	Г	Fed Ex	, _{kd} .	Janu 5	- 1	On Ice?	N 2 12			AT:					1 1	1				P	J
UPS Oven		Post O	V -	Hand Deliv	ery	Received @		_ °C	- 1.1	Need F	alResults by	Rush	-	, M.O.#	4	58	0		_ ;	/ Amt Paid	\$
						Under 2	nours		⅃.	CI	neri Ace will 9b	PPIY FOR RUSH TAT.	\	V.O.#					_ 0	Check #	

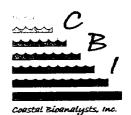
Client: Environmental Systems Service, LTD.

Project ID: ESSL1518

Client Sample ID: Warrenton WWTP outfall 001 WO57500

Permit No: VA0021172

Sample Period: 9/21/15 to 9/24/15



Report of Analysis: Whole Effluent Toxicity (WET)

Submitted To:
Ms. Angie Woodward

Environmental Systems Service, LTD. 218 North Main Street, P.O. Box 520

Culpeper, VA 22701

Prepared By:

Coastal Bioanalysts, Inc. 6400 Enterprise Court Gloucester, VA 23061 (804) 694-8285

www.coastalbio.com

Contact: Peter F. De Lisle, Technical Director

Chronic Test	Results - Untrea	ited Samj	ole						·	
Species- Test Method	Endpoint	NOEC	LOEC	ChrV	PMSD	T.U. _C	IC25	48-h LC50	LC50 95% C.L	T.U.Ac
C. dubia	Survival	100	>100	>100	N/A	1.00	N/A	>100	N/A	<1.00
EPA 1002.0	Reproduction	17.0	34.0	24.0	31	5.88	29.0	N/A	N/A	N/A
P. promelas	Survival	100	>100	>100	N/A	1.00	N/A	>100	N/A	<1.00
EPA 1000.0	Biomass	17.0	34.0	24.0	15	5.88	95.6	N/A	N/A	N/A

Chronic Test	Results - UV In	radiated S	Sample							
Species- Test Method	Endpoint	NOEC	LOEC	ChrV	PMSD	T.U. _C	IC25	48-h LC50	LC50 95% C.L.	T.U. _{Ac}
C. dubia	Survival	100	>100	>100	N/A	1.00	N/A	>100	N/A	<1.00
EPA 1002.0	Reproduction	100	>100	>100	23	1.00	>100	N/A	N/A	N/A
P. promelas	Survival	100	>100	>100	N/A	1.00	N/A	>100	N/A	<1.00
EPA 1000.0	Biomass	100	>100	>100	13	1.00	>100	N/A	N/A	N/A

Note: Details regarding test conduct and data analysis provided in attached bench sheets and printouts as applicable. For each test method record the highest endpoint T.U.c value (bold) on the DMR.

Chronic Test QA/QC	Refere	nce Tox	icant: KC	l Units:	mg/l T	est Organ	ism Sourc	e: CBI Stock	Cultures_
Species-Method	Data	% Su	rvival	Rep	roduction	(# Young) or Biom	ass (mg)	RTTin
(Ref. Test Date)	Source	Cont.	NOEC	Cont.	NOEC	PMSD	IC25	IC25 A.L.	Control?
C. dubia 1002.0	RTT	100	500	31.5	250	22	346	N/A	Yes
(9/8/15-9/14/15)	CC	99	. 500	27.9	250	18	345	275-415	
P. promelas 1000.0	RTT	100	500	0.63	500	17	610	N/A	Yes
(9/8/15-9/15/15)	CC	99	500	0.62	500	14	619	582-655	<u> </u>

Note: RTT = Reference Toxicant Test, CC = Control Chart, Cont. = Control group.



Attachment 1 to Part 3 VPDES Sewage Sludge Permit Application

This is covered under our contract with Synagro Central, LLC's permit.

Memo

To: Bo Tucker

From: Allen G. Chichester

Date: June 29, 2015

Re: Biosolids Contract with Synagro Central, LLC; IFB#13-002 (FY 2016)

The current purchase order with Synagro Central LLC expires on June 30. I am recommending that the Town exercise the third renewal option of the contract for upcoming FY 2016. There will be a modest pricing increase as stated on the "Agreement" between Synagro Central, LLC and the Town of Warrenton, VA.

Allen Chichester

From:

Jim Henderson [jhenderson@SYNAGRO.com]

Sent:

Monday, June 29, 2015 9:52 AM

To:

Allen Chichester

Cc:

Allen Guilliams; Matt deWitt

Subject:

Synagro Biosolids Management Agreement Amendment

Attachments:

AMD_Town of Warrenton, VA_2015-06-29 pdf; Jim Henderson.vcf

Allen,

Please see the attached amendment to the biosolids management agreement that you requested. It is structured with a modest CPI increase. If you could provide a new PO for invoicing along with a signed copy of the amendment, it would be appreciated. Please contact me if you have any questions.

Regards,

Jim Henderson Business Development Executive

<u>ihenderson@synagro.com</u> 1-757-323-6688 direct 1-757-323-6688

SYNAGRO

3619 Calverton Way Chesapeake, VA 23321

AMENDMENT TO DISPOSAL OF WASTEWATER TREATMENT PLANT BIOSOLIDS AGREEMENT BETWEEN THE TOWN OF WARRENTON, VA AND SYNAGRO CENTRAL, LLC

THIS AMENDMENT ("Amendment") is made as of June 29, 2015 to the Disposal of Wastewater Treatment Plant Biosolids Agreement dated as of July 17, 2012 (as amended, modified and supplemented as of the date hereof, the "Agreement") by and between the Town of Warrenton, VA ("Town") and Synagro Central, LLC ("Service Provider").

On June 29, 2015, the Agreement for the transportation and land application of Class B biosolids and/ or liquid hauling for disposal for Town was amended for the purpose of extension.

WITNESSETH:

WHEREAS, Town and Service Provider are parties to the Agreement; and

WHERAS, the Agreement expires by its terms on June 30, 2015; and

WHEREAS, Town and Service Provider desire to extend the Agreement and amend certain of its terms as set forth herein;

NOW, THEREFORE, in consideration of the mutual covenants contained herein the parties hereto intending to be legally bound hereby agree as follows:

- The term of the contract shall be extended for a period of one (1) year commencing on July 1, 2015 and continuing through June 30, 2016. The Service Provider and Town further agree that at the end of this term, this Contract may be extended for additional periods as mutually agreed in writing by both parties.
- 2. The pricing set forth in this Amendment shall be adjusted using the Consumer Price Index (CPI) with a base month of March 2014, and current month of March, 2015 for the Washington- Baltimore, DC-MD-VA-WV.

Pricing July 1, 2014 through June 30, 2015: Land Application of Class B Biosolids: \$25.51 per wet ton Liquid Hauling and Disposal: \$0.1082 per gallon

Revised pricing July 1, 2015 through June 30, 2016: Land Application of Class B Biosolids: \$25.57 per wet ton Liquid Hauling and Disposal: \$0.1085 per gallon

3. All other terms of the Agreement remain in full force and effect.

IN WITNESS WHEREOF, the undersigned have placed their hands and seals on the date first above written.

TOWN OF WARRENTON, VA	SYNAGRO CENTRAL LLC
By:	By:
Name:	Name:
Title:	Title:
Date:	Date:

TOWN OF WARRENTON REQUISITION FOR PURCHASE

TO:

The Town Manager

Date = This (29, 2015

Please purchase the items specified to	pelow a	nd have del	ivered		j- 32 f		
Description of Goods / Service Requisitioned		Charge to		Quantity	Unit	Unit	Totai
	Fund	Depart.	Accti	Ordered (1,500)	25,57		
- DOUBLE - DOUBLE			 	1,20,000	1 1-16	TON	63,925,0
							
in the second							
•							
20145314 2015							
Instructions: Attach required quotes an documentation to support	d relat	ed r selection	S	hipping and	l Handlin	g Charges	
			·			TOTAL	123.925.00
For Use of Department Making Requ	uisition	ı					
I certify that this purchase is necessary for the this department and was made in compliance Town's purchasing policies and procedures.	operati	ion of	You are habove and	creby author	rized to oro	ler/deliver t	the items listed
Orline Chiefwater	Sią	gnature			Town Ma	nager	
	Dept	. Head					
For Use of Finance Departme	ent		Vendor Na	ame and Ado	iress		
D. I			er .	1		ال در الم	117
Proposals sent out		13	1 5 -	ş. -		tral	
Purchasing Approval		41		•		_	Suite 102
P.O. NoDate				th Music	- 111	<u>نوالح ز</u>	<u>uiu</u>
Issued To		11					
Available Budget		11					
Encumbered							



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

المعادة والعواد

NORTHERN REGIONAL CHERCE 17981 Crown Court, Whiteholdings, Angisti 22193 CHARACE SECTIONSET www.ieg.vigini.gov

Deall K Tyler

Taxas A. Page مستان كسستان

Permit No.

VPAGE262

Effective Date:

December 15, 2010

Modification Date: July 5, 2012

Expiration Date: December 14, 2020

AUTEDRICATION TO MANAGE POLLUTANTS UNDER THE VERGINA POLLUTION ABATEMENT PERMIT AND THE VIRGINIA STATE WATER CONTROL LAW

is compliance with the provisions of the Stem Water Cornel Law and the Parault Regulation व्यंत्रकारं हृष्टाच्या विकासन, रीक्ष रिविज्यांतु उत्तरका है सार्थकारणी के सारावृक्ष वृक्षीत्रकार से कार्यक्रमांतु with the empirication, misses, specifications and supporting data submitted to the Department of Servironmental Quality and other conditions set forth in this permit.

Owner.

Syesgro Central, LLC.

Owner Address: 10647 Treewater Trail

Champieire, VA 22438

Fair Vent Sympto Central, LLC. - Françaier County, Virginia

The surfacilities good selection of the second selection with this cover page. Part I -Repairements and Special Conditions and Part II - Conditions Applicable to Ali THE Parameter as set forth income.

Regional Director, Department of Savironmental Quality

FACILITY NAME: TOWN OF WATTENTON

MONITORING PERIOD: FROM $\frac{4}{1115}$ to 6.30/15

	Part I To Be Completed l	y PREPARERS of Sewage Shidg	
A. Please provide polluta	nt concentrations		
Nemc	Concentration (mg/tg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) (monthly average)	Ceiling Concentrations* Table 1, 40 CFR 503.13) (daily maximum)
Arsenic	57.4	41 mg/kg	75 mg/kg
Cadmium	42,00	39 mg/kg	85 mg/kg
Chromium	26,6	1200 mg/rg	3000 mg/kg
Соррег	389	1500 mg/kg	4300 mg/kg
Lead	<4.00	300 mg/kg	· 840 mg/kg
Mercury	1,44	. 17 mg/kg	57 mg/kg
Molybdenam	5.29	18 mg/kg	75 mg/kg
Nickel	104	420 mg/kg	420 mg/kg
Selenium	<u> </u>	36 mg/kg	100 mg/kg
Zinc	496	2800 mg/kg	7500 mg/kg
Nitrogen Concentration	<u> 35,900 </u>	N/A	AW
Class A C. Vector Attraction Redu Option 1 Option 5	Class B cetion (40 CFR 503.33) — Pless Option 2 Option 6	se indicate the option performed Option 3 Option 7	Option 4
D. CERTIFICATION I certify under penalty of in accordance with a sysubmitted. Based on m for gathering the information complete. I am aware to the complete of the complete o	ction reduction options were per of law that this document and a stem designed to assure that qu by inquiry of the person or persons the information submitte	•	r my direction or supervision and evaluate the information use persons directly responsible and belief, true, accurate, and
A. Name and Official Title Edward B. Tucker Director of Pub. C. Signature	(type or print) T. Jr. Lic Works and Utiliti		



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

05/04/2015

Report #:

1719

Job#:

R000638

Customer #:

0000751

Customer PO #:

11578

Collected By:

Customer

Sample Location: Quarterly Sludge Testing

Sample ID#: Sample Date/Time:

0049117

04/01/2015 / 11:50

Sample Source: Date Received:

Drying Bed

04/01/2015

Parameter	Results	Unit	Report Limit	Method	Analysis Date		
Soil/Waste pH	7.97	C11 @4200			Analysis Date	Time	INIT
Total Solids (%)	20.9	SU @18°C	N/A	EPA 9045D	04/01/2015	17:35	AW
Ammonia, as N	-	%	0.01	SM 2540G-2011	04/01/2015	18:15	JI.
Total Kjeldahl Nitrogen	9,410	mg/kg	10.0	SM 4500 NH3C	04/08/2015	11:39	001
Nitrite + Nitrate, Solid	35,900	mg/kg	10.0	SM 4500 NH3C-TKN	04/06/2015	08:39	001
	< 2.00	mg/kg	2.00	SM 4500NO3F	04/06/2015	08:40	
Arsenic, Total Recoverable	57.4	mg/kg	4.00	SW-846 6010B	04/08/2015	10:07	001
Cadmium, Total Recoverable	< 2.00	mg/kg	2.00	SW-846 6010B	04/08/2015		574
Chromium, Total Recoverable	26.6	mg/kg	4.00	SW-846 6010B		10:07	574
Copper, Total Recoverable	389	mg/kg	2.00	SW-846 6010B	04/08/2015	10:07	574
Lead, Total Recoverable	< 4.00	mg/kg	4.00	SW-846 6010B	04/08/2015	10:07	574
Mercury, Total Recoverable	1.44	mg/kg	0.0250		04/08/2015	10:07	574
Molybdenum, Total Recoverable	5.29	mg/kg		SW-846 7471A	04/08/2015	11:43	574
Nickel, Total Recoverable	10.4	-	4.00	SW-846 6010B	04/08/2015	10:07	574
Selenium, Total Recoverable	< 4.00	mg/kg	4.00	SW-846 6010B	04/08/2015	10:07	574
Zinc, Total Recoverable	496	mg/kg	4.00	SW-846 6010B	04/08/2015	10:07	574
ecal Coliform		mg/kg	4.00	SW-846 6010B	04/08/2015	10:07	574
	11,000	MPN/g	180	SM 9221 E+C-2006	04/01/2015	15:50	J1

Sample ID#: Sample Date/Time: 0049118

04/01/2015 / 11:50

Sample Source: Date Received:

Thickener 04/01/2015

arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
otal Solids (%)	2.45	%	0.01	SM 2540 G-2011			INI I
ecal Coliform	22,000,000	MPN/g	180	SM 9221 E+C-2006	04/01/2015 04/01/2015	18:15	J
Sample ID#.	0040440				04/01/2015	16:00	JI

Sample ID#: Sample Date/Time:

0049119

04/01/2015 / 11:50

Sample Source: Date Received:

Digester 04/01/2015

arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	INIT
otal Solids (%) ∋cal Coliform OMMENT:	1.93 1,240,000	% MPN/g	0.01 180	SM 2540 G-2011 SM 9221 E+C-2006	04/01/2015 04/01/2015	18:15 16:05	JI JI

Fecal and metal's results are reported on a dry weight basis.





Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186 **Analytical Report**

Report Date:

05/04/2015

Report#:

1719

Job#:

R000638

Customer #:

0000751

Customer PO#

Collected By:

Customer

Sample Location: Quarterly Sludge Testing

Sample ID#: Sample Date/Time:

0049119

04/01/2015 / 11:50

Sample Source: Date Received:

Digester

04/01/2015

Parameter

Results

Unit

Report Limit

Method

Analysis Date Time INIT

Fecal and metal's results are reported on a dry weight basis.

001 Samples subcontracted to VELAP ID# 460014

574 Samples subcontracted to VELAP ID# 460160

SAMPLE CHAIN OF CUSTODY RECORD ENVIRONMENTAL SYSTEMS SERVICE, LTD. Company Town of Warrenton Contact __ Allen Chichester 218 North Main St 500 Stone St Address _ P.O. Box 341 Post Office Box 520 Post Office Box 736 Address _ Warrenton, Virginia 22186 Culpeper, VA 22701 Bedford, VA 24523 Phone ____ (540) 347-1104; 3913 (fax) 800-541-2116 540-586-5413 www.ess-services.com 540-825-6660 Fax: 540-825-4961 Fax 540-586-5530 Project Name/Site __ Quarterly Sludge Testing P.O.# ANALYSES Jannard Sampled By: (Print Name) ESS COLLECTION MPA3: TYCH SAMPLE % Sollids MOMO CONTAINERS metals. SAMPLE SAMPLE ID. DATE TIME LOCATION SIZE G/P # MATRIX PRESERVATIVE 품 COMMENTS 1150 Drying Bed 250ml p sludge none 411115 As, Cd, Cr. Cu, 1150 **Drying Bed** 250ml P X sludge none 1150 Pb, Hg, Mo, Ni, Drying Bed 250ml р X sludge none Se. Zn 1100 Drving Bed 125ml Þ sludge Na Thios GUCIT MORTHE 1100 Thickener Р 250ml sludae none 41015 110 Thickener þ 125mi sludge Na Thios 1150 Digester 250ml P X sludge none 4/1/15 Digester 125ml P sludge Na Thios Preservative pH Check: Relinquished by: Time Received by: Relinquished by: Date Received by: 4/1 15 11:56 2:6% Däté Time Received by: Date Received for Leberetery by: Method of Delivery On Ice? TAT: UPS Hand Delivery ☐ Fed Ex Received @ 3 .9 °C Normal Rush. Wint Paid \$

Need Results by

Under 2 hours

Extra charges will apply for Rush TAT.

UPS Overnight

Post Office

W.O.#

Check #

FACILITY NAME: TOWN OF WATTENTON

MONITORING PERIOD: FROM 1/1/15 to 3/31/15

	Part I - To Be Completed	TRUEARURS of Severe Shoot	
A. Please provide pollu	कार ट्याट्याव्यक्तिकार		
Nerae	Concentration (mg/kg) Dry Weight	Polistant Concentrations (Table 1, 48 CFR 563.13) (monthly average)	Ceiling Concentrations* Table 1, 40 CFR 503.13) (delly maximum)
Arsenic	37.0	41 mg/kg	75 mg/kg
Cadmiura	~2.00	39 mg/kg	85 mg/kg
Caronica	15.7	1200 mg/rg	3000 mg/kg
Copper	225	1500 mg/rg	4300 mg/kg
Lesd	44.00	300 mg/rg	840 mg/kg
Mercury	0.133	. 17 mg/kg	57 mg/kg
Molybdenum	44,00	!8 me/rg	75 mg/kg
Nickel	5,76	420 mg/kg	420 mg/kg
Seleniem	44,00	36 mg/kg	i00 mg√kg
Zinc	301	2800 mg/kg	7500 tog/kg
Nitrogen Concentration	53,400	NA	NIA
Class A	O CFR 503.32) — Plesse indicate Class B		
C. Vector Attraction Redi	ection (40 CFR 503.33) — Piense	indicate tie option perform ed	
Option 1	Option 2	Option 3	Option 4
Option 5	Option 6	Option 7	Option 8
No vector stores	zion reduction carious were peri	recoi	
D. CERTIFICATION			
entermed. Besed on m for gethering the inform	stem designed to assure that quily y inquiry of the person or person wisu, the information submitted hat there are rightforms penaltics	combined were prepared under likel personnel properly gether as a who manage the system or thos is, to the best of my knowledge a for submitting false information	nd evaluate the information to persons directly responsible and belief, true, accurate, and
Neme and Official Title Edward B. Tucker	(type or print)		2-1858
- Director of Publ. Signers	ic Norks and Utilities	D. Deta Signer	



Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186

Report Date:

02/10/2015

Job #:

R000604

Customer #:

0000751

Customer PO #: 11578

Collected By:

Customer

Sample Location: Quarterly Sludge Testing

Sample ID#: Sample Date/Time:

0046363

01/27/2015 / 10:10

Sample Source:

Drying Bed

Date Received:

01/27/2015

				01/2//2019			
Parameter	Results	Unit	Report Limit	Method	Analysis Dat	e Time	1841
Soil/Waste pH	8.15	SU@ 20		EPA 9045D			
Total Solids (%)	24.17	%	0.01	SM 2540 G-2011	01/27/2015	15:55	K
Ammonia, as N	6,540	mg/kg	10.0	SM 21 4500 NH3C	01/29/2015	14:15	JI
Total Kjeldahl Nitrogen	53,400	mg/kg	10.0	SM 4500-NH3C-TKN	01/30/2015	08:50	00
Nitrite + Nitrate, Solid	19.4	mg/kg	2.00	SM-4500NO3F	01/30/2015	08:50	00
Arsenic, Total Recoverable	37.0	mg/kg	4.00	SW-846 6010B	01/30/2015	08:45	00
Cadmium, Total Recoverable	<2.00	mg/kg	2.00	SW-846 6010B	02/02/2015	09:42	57
Chromium, Total Recoverable	15.7	mg/kg	4.00		02/02/2015	09:42	57
Copper, Total Recoverable	225	mg/kg	2.00	SW-846 6010B	02/02/2015	09:42	574
Lead, Total Recoverable	<4.00	mg/kg	4.00	SW-846 6010B	02/02/2015	09:42	574
Mercury, Total Recoverable	0.133	mg/kg		SW-846 6010B	02/02/2015	09:42	574
Molybdenum, Total Recoverab		mg/kg	0.0250	SW-8467471A	02/02/2015	10:34	574
Nickel, Total Recoverable	5.76		4.00	SW-846 6010B	02/02/2015	09:42	574
Selenium, Total Recoverable	<4.00	mg/kg	4.00	SW-846 6010B	02/02/2015	09:42	574
Zinc, Total Recoverable	301	mg/kg	4.00	SW-846 6010B	02/02/2015	09:42	574
Fecal Coliform	9,020	mg/kg	4.00	SW-846 6010B	02/02/2015	09:42	574
. Con Conton	9,020	MPN/g	180	SM 9221 E+C-2006	01/27/2015	15:23	J
Sample {D#;	0046364		Sample Source:	Thinks			
Sample Date/Time:	01/27/2015 / 0	9:30	Date Received:	Thickener 01/27/2015			
Parameter	Results	Unit	Report Limit	Method	Analysis Date	71	13/7
Total Solids (%)	2.93	%	0.01	SM 2540 G-2011		Time	INIT
Fecal Coliform	3,140,000	MPN/g	180		01/29/2015	18:20	Ji
0			100	SM 9221 E+C-2006	01/27/2015	15:30	J
• • - · · · · · ·	0046365		Sample Source:	Digester			
Sample Date/Time:	01/27/2015 / 09		Date Received:	01/27/2015			
arameter	Results	Unit	Report Limit	Method	Analysis Date	Time	
Total Solids (%)	1.79	%	0.01	SM 2540 G-2011		Time	INIT
ecal Coliform	218,000	MPN/g	180		· ·	18:22	JI
COMMENT:	-		100	SM 9221 E+C-2006	01/27/2015	15:45	J

Fecal and metals' results are reported on a dry weight basis.





Warrenton, Town of Mr. Allen Chichester P. O. Box 341 Warrenton, VA 20186

Report Date: 02/10/2015
Job #: R000604
Customer #: 0000751
Customer PO #: 11578

Collected By: Customer

Sample Location: Quarterly Sludge Testing

O01 Samples subcontracted to VELAP ID# 460014 574 Samples subcontracted to VELAP ID# 460160



SAMPLE CHAIN OF CUSTODY RECORD ENVIRONMENTAL SYSTEMS SERVICE, LTD. Company Town of Warrenton Contact __ Allen Chichester 218 North Main St 500 Stone St Address __ P.O. Box 341 Post Office Box 520 Post Office Box 736 Address _ Warrenton, Virginia 22186 Culpaper VA 22701 Bedford, VA 24529 Phone ____ (540) 347-1104; 3913 (fax) 800-541-2116 540-588-5413 www.ess-services.com 540-825-6660 Fax: 540-825-4961 Fax 540-586-5530 Project Name/Site __ Quarterly Sludge Testing 11578 P.O.# ANALYSES Jeff Junnavell Sampled By: (Print Name) CONTAINERS IN SIZE GIP # 6 ESS COLLECTION SAMPLE SAMPLE SAMPLE ID. DATE THME LOCATION MATRIA PRESERVATIVE 46363 1-27-15 1010 COMMENTS Drying Bed 250mi Þ sludge none "As, Cd, Cr, Cu, 1010 Drying Bed 250ml P sludae none 1010 Pb. Ha. Mo, Ni. Drying Bed 250ml P sludge none 1016 80, Zn Drving Bed 125mi P sludae Na Thios 46364 0930 Thickener 250ml p sludge none 0930 Thickener 125ml P sludae Na Thios 46365 093 Digester 250ml P sludge ñöne 0970 Digester 125mi P sludge Na Thios Preservative oH Check: Relinquished by Date Time Received by: Relinguished by Received by 1721 12:00 Reinquished by Time Received by: Received or Laboratory by Method of Delivery Fed Ex Hand Delivery ☐ UPS Normal Koccieca Amt Paid S Need Results by Extra charges will apply for Rush TAT ☐ UPS Overnight ☐ Post Office Under 2 hours W 0.#_ Check

VPDES PERMIT APPLICATION ADDENDUM

1.	Entity to whom the permit is to be issued: Town of V	Warrenton				
	Who will be legally responsible for the wastewater treatment not be the facility or property owner.	nt facilities	and compl	iance with the p	ermit? Thi	s may or may
2.	Is this facility located within city or town boundaries?	Yes	No			
3.	Please provide the tax map parcel number for the land	where the d	lischarge i	s located: 69	74-84-0739	<u> </u>
4.	For the facility to be covered by this permit, how many construction activities?3 acres	acres will b	e disturbe	ed during the n	ext five yea	ars due to nev
5.	What is the design average flow of this facility in million industrial facilities, provide the maximum 30-day average.					GD) For
6.	In addition to the design flow or production level, should flow tiers or production levels? Yes No If yes, please identify the other flow tiers in MGD: Please consider the following as you answer the questions is applicable): Do you plan to expand operations during the regreater than your current flow?	in #5 above	for both th	ne flow tiers and	d the produc	etion levels (if
7.	Nature of operations generating wastewater:					_
		nent work <u>s:</u>	: 50 or mor	re		
8.	Mode of discharge: X Continuous Describe frequency and duration of intermittent and seasons			Seasonal		
9.	Identify the characteristics of the receiving stream at the	e point <u>iust</u>	above the	facility's disc	harge point	r(s):
	Stream Characteristic			Outfall Nun	ıber	
	Permanent stream, never dry	001	 			
	Intermittent stream, usually flowing, sometimes dry	001	-			
	Ephemeral stream, wet-weather flow, often dry		+			
	Effluent-dependent stream, usually or always dry	_	+			
	Lake or pond at or below discharge point					
	Other:		1			

Λ	proval date(s), if applicable:		
U	& M Manual Updated July 2011	Sludge/Solids Manag	ement Plan July 2002
Ha	ve there been changes in your operation	or procedures since the above approve	al dates? Yes No
ser tha reg Co		clude with your application notification vealth and verification from the SCC the Corporation Commission. Incorporat (LPs) and certificates of authority.	ed also includes Limited Liability
		Material Storage	
-	Materials Description	Volume Stored	Spill/Stormwater Prevention Measures
N	 fethanol	4,000 gal.	Concrete containment
P	olyaluminum chloride	2,500 gal.	No containment
-	Piesel Fuel	3,500 gal.	Steel structure containment
s	oda Ash	1,400 lbs.	Enclosed building
P	raestol 857 Polymer	1,200 lbs.	Enclosed building
A	Name Illen G. Chichester	Title Wastewater Superintendent	E-mail Address <u>achichester@warrentonva.gov</u>
E	dward B. Tucker, Jr.	Director of Public Works & Util.	etucker@warrentonva.gov
-			State (a), waitement va.gov
Th iss inc cor rec	nsent to receive Electronic Mail e Department of Environmental Quality uances, reissuances, modifications, re- cluding applicants or permittees, by ele usent to receive mail electronically (§ 1 reipt of electronic mail from DEQ as followed	vocation and reissuances, termination extronically certified mail where the re 0.1-1183). Check <i>only one</i> of the follows:	fications (this includes permit s and denials) to recipients, ecipients notify DEQ of their owing to consent to or decline
The iss income contract recontract.	e Department of Environmental Quality uances, reissuances, modifications, re- cluding applicants or permittees, by ele- usent to receive mail electronically (§ 1 reipt of electronic mail from DEQ as follows.)	vocation and reissuances, termination octronically certified mail where the respective of the follows: ve by electronic mail the permit that materially receipt of such electronic mail with the permit was a such electronic mail was a such electronic mail with the permit was a such electronic mail was a such	fications (this includes permit s and denials) to recipients, ecipients notify DEQ of their owing to consent to or decline hay be issued for the proposed hen requested by the DEQ.